```
EP 0 786 519 A2
                                   (C) STRANDEDNESS: double
                                   (D) TOPOLOGY: linear
                  5
                             (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3259:
                      GGACCGCCAT ATCGTTGGCA ATCATCGCAC CTATAATCAT CGCAAGTATA ATAATATTAG
                     CACCTTGCAT ACTITITAAC CAGGTTGTTA ATGCCTCAAA AATATTAGAA ATTGGTGCCC
                10
                     (2) INFORMATION FOR SEQ ID NO: 3260.
              15
                                                                                               60
                         (i) SEQUENCE CHARACTERISTICS:
                              (A) LENGTH: 130 base pairs
                                                                                             120
                             (B) TYPE: nucleic acid
                                                                                             124
                             (C) STRANDEDNESS: double
                             (D) TOPOLOGY: linear
            20
                      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3260:
                TACCAATGTA TATCCATATA CTTTTATCAT AATCATTTCA GCCGACTTTA GTTTGATGTT
          25
                TTTGCTTGAT TAAAATCTTT CGGCGATCTT CAGCTTGATG TTTTCGTTTG ATTAAATTGG
               TACAATANAT
               (2) INFORMATION FOR SEQ ID NO: 3261.
         30
                                                                                         60
                   (i) SEQUENCE CHARACTERISTICS:
                        (A) LENGTH: 400 base pairs
                                                                                       120
                       (B) TYPE: nucleic acid
       35
                                                                                       130
                       (C) STRANDEDNESS: double
                       (D) TOPOLOGY: linear
                (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3261:
     40
          GGCCTTTTTG GGCCGGGGTT GGAAAITGGG GTTGCCTTAA TTTTTTAATT AAATTTTGGA
         ATTAAAAAAG GAAAAANTCC AAAGGTTAAT TTTAAAAAAA GCCCAAGGTT TTAAAAAATTC
         CCCCAACCAA AAAGGGGGG AAAAAAAGGTT GGGGGTTTTA AAAATTANCC AAGGTTTTTG
   45
        GGGCCCTCCC TTGGGGGGTTG GGAATTAAAG GTTAACCAAG GTTTTTGGCC AAGGGGCCCA
        ATTGGGGGTT GGGGCCCTGG GGGAAAATTT TTGCCCTTTC CCAAGGGGTT TTTTAAAACC
                                                                                   60
                                                                                 120
       CGGATTTTTG GAAAAAAAAA AGCCCATTTT CCCCCCCAACC CNAAAGCCCCA GTTCCC
 50
                                                                                 180
      ATTTTCCCGG GGTAACCCTG CCCCCACCGG GGCCATTTTT
      (2) INFORMATION FOR SEQ ID NO: 3262:
                                                                         400
55
```

```
EP 0 786 519 A2
                                 (A) LENGTH: 134 base pairs
                                 (B) TYPE: nucleic acid
                                 (C) STRANDEDNESS: double
                5
                                (D) TOPOLOGY: linear
                          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3262:
                    TGGTTCAATG GAAACGTGTA CCGCAAATIIC CGTTAAATGT TGTTGGATGT TGAGAGACGT
               10
                   GGCTGAACTG GCACATTTGG GCAATGACCA ATGGAACAAG CTAATGGGCA AGCGATTATT
                   GCGACGGCTG ATGG
             15
                   (2) INFORMATION FOR SEQ ID NO: 3263:
                                                                                             60
                       (i) SEQUENCE CHARACTERISTICS:
                                                                                           120
                           (A) LENGTH: 105 base pairs
           20
                            (B) TypE: nucleic acid
                                                                                           134
                           (C) STRANDEDNESS: double
                           (D) TOPOLOGY: linear
                    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3263:
          25
              TTTTTTTCTG TTGGTACTTG TTTTGTGGTT GGCGATTGTG GTGTGTCTGA ITTAGTAGAT
              TGCATTGGTT GTGGCGTGTT TGCTTGATGG AGGTGTTGTC ACTTT
              (2) INFORMATION FOR SEQ ID NO: 3264:
        30
                  (i) SEQUENCE CHARACTERISTICS:
                                                                                        60
                       (A) LENGTH: 107 base pairs
                       (B) TypE: nucleic acid
                                                                                      105
      35
                      (C) STRANDEDNESS: double
                      (D) TOPOLOGY: linear
                (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3264:
     40
          GTTCCATCAT TCCCACCNAT ATCCAACATG TGGGCTACTG CAATGCTTTA GGCGTCAATG
         CCTCATCATC ATCACAGCGC CAGTAAATGC GTATAATTAA ATTAATT
         (2) INFORMATION FOR SEQ ID NO: 3265:
   45
             (i) SEQUENCE CHARACTERISTICS:
                                                                                   60
                  (A) LENGTH: 109 base pairs
                  (B) TYPE: nucleic acid
                                                                                 107
                 (C) STRANDEDNESS: double
                 (D) TOPOLOGY: linear
           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3265:
55
```

	GTCGTAACAA TGGTTCGTTA CCAAAGCATA nTTCGCCTTC TTGGCATCG	109
	(2) INFORMATION FOR SEQ ID NO: 3266:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 104 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3266:	
45	TTACCTITAA AATAAnGTTC TCCACTAGTT GGGCTAAACA AATTACATAT TTTGCTTTTG	60
15	GAAATGTACT TTTTACCACT ACCTGATGGA CCTATAATGG GCAA	104
	(2) INFORMATION FOR SEQ ID NO: 3267:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 117 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3267:	
	TAAGCCATCA GAAACAAATG CATATAACGn AACAACACAT GCAAATGGTT CAAGTATCAT	60
30	ACGGTGCTCG TCCGACATAC AAGAAGCCAA GCGAGAACGA ATGCATACAA TGTAACA	117
	(2) INFORMATION FOR SEQ ID NO: 3268:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3268:	60
	GCTGCACAAG CACAACCTGG AATCAGCAAC ACCGGCAAAC CANCAGGTCA AGGAATAACC	
45	AAGCAGCACC TCATAATAAT GCAACACCGG CAATCAAACA C	101
	(2) INFORMATION FOR SEQ ID NO: 3269:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 207 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3269:	
	CATACCCTAT TTTAGATATT ACCTTATTAC AAAATATTTT TACATTAATG TCAGCTGCAG	60
5	GTTAGTATTG TTTTCCAAAA TTTACCGGTC ATCTTTGCCA ATTGGGTGTC GCCAATCGGG	120
	ATTTATCCTA GGAAGCCGAT TAAAAGGGTA CTGCCAGGGT TTTAGCCTGC nGCTGCCTCG	180
	GGGTTTTCTT TAAATTAATG nAACCGC	207
10	(2) INFORMATION FOR SEQ ID NO: 3270:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 107 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3270:	
	ATATTCGCAC CACCATAAAC ATAGATGGTG TTTTGTCCTT CTGCATTCAC AGTGATAAAA	60
	GGGCTTGGnC CCGTTTTTGC TTCAGCTGTT TTGAATAATA TATGATG	107
25	(2) INFORMATION FOR SEQ ID NO: 3271:	
3 <i>0</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 122 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3271:	
35	TTGGTTACAC TTCTGCTAGT TTTAGTAACG ATGGTCCAAG ATTGTATGAG CCTATTCATG	60
	GATCAGCACC AGATATTGCA GGTAAAAACG TTGCCAATCC ATTTGGGATG GTTCTmATGC	120
40	TT	122
70	(2) INFORMATION FOR SEQ ID NO: 3272:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3272:	
	GAAGGATGAT GATTCGGAGC AnCTTCTTGC AGAAGANGCG GNAATAACGT GACATATTGT	60

	TGCGAGCGCT TGACAATCTA TTCTTTTTAA AGAAAGCGGT TGTTAGACAA TGCATTAAGA	180
	GAAATTAAAG CGGmGTTTAC TTTTGTAAAT GAGCATTTGA TTTTttTGAAA ATAAAGCAGT	240
5	ATGCAGGCGC TTGACTAAAA AGAAATTGTA CATTGACAAC TAGATAAGTA AAGTGAAAAT	300
	ATAGATTTTA CCCAAGCAAA ACCGAGTGAA TAAAGAGTTT TAAATAAGCT TGGATTCATA	360
10	(2) INFORMATION FOR SEQ ID NO: 3273:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 112 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3273:	
20	TCAATTTTAA CTGCAAATAA TAAAGCTGCA TGATTTACTT TGTACATTAT TGTAATTTCA	60
	GTAATACGAG GCAATGTCAG TnGCAGTGTT TAATAAATTT TGTTCGCTAT TT	112
	(2) INFORMATION FOR SEQ ID NO: 3274:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3274:	
35	TACATTTATG CAATCAACGT TACATTCAAT CGTTGGAGAA AATTGGCTTT ATTGACTTAC	60
	TAAAATCTAA AAAATCATAT GAAAGAATTG CACATATGTT AAAAACLGGT AAGCCATTAC	120
	GTAATTAAAA GATAGTCATT AAGAGAGGAT GATAACCATG CAAGAAAGCA TACATTGTAG	180
40	CTTATGGGCG TTCAGCGCAG CGAAAGCAAA GCAAGGCGCA TTATTCCACG AAAAGACCTG	240
	nTGATGTCGC AGCCAAAGTA ATTACAAGGC GTATTTGAAA ACGTATTGAC GGGAnAAATT	300
45	CCAATAAGGA TTATGGATTG nAAGATGGTC CATTTG	336
45	(2) INFORMATION FOR SEQ ID NO: 3275:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 138 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	CAAATGCTTT TGCCACCCCA GATGCAATGG TACCAACACC TGTTTTCGAA ACTAATTTTA	60
	CCGGCGATAT CTGGCATCTT TTATTTCGGC ATTTTTTCAA ATCATGGTTA TTCCAGTTTG	120
5	GCGGCTTAAA AATTCnTT	138
	(2) INFORMATION FOR SEQ ID NO: 3276:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 101 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3276:	
	CATTATACGA GNATAAGTAA AATTGATGAT GTGACTAAAA AAGATGCACA ACAATTATTG	60
20	AAGATGCAAA AGAATTGCAT GCCAAGCTGA TACATTAGAT A	101
	(2) INFORMATION FOR SEQ ID NO: 3277:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 124 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	( ) appropriate programment of the Vol. 2077	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3277:	60
	TGGTTATTCG TTCCTGATCG TTGTTGGTAT CTCACTATTC AAnATTTATC GTGTGGCATT	60
35	ACTITAGITA CACCAGGIAC ATTIGAACCI GGCACTIGIT GCGAGIATIT CCGGICICGI	120
	CATT	124
	(2) INFORMATION FOR SEQ ID NO: 3278:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 110 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3278:	
	GACTTTTTGA CCAGTTGTAG CACGACCACC GAGAGTAGCA TTGCATATGC AATCATTGTA	60
50	CCTTCGCCAA CGACTGnGCC AATATTAATT GTTGCGCCCA TCATAACGAC	110
	(2) INFORMATION FOR SEQ ID NO: 3279:	

ŝ	(A) LENGTH: 113 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3279:	
10	TTGGTATATA GAGGGCAACC GCACCTGATA AAATGTGnCA CAGTTTTTAC AAGAGGTTAA	60
	GGAATGAGTT TGGAGGCATA CGAGCATCAA GATACCATTC GATGTTAGTA ATT	113
	(2) INFORMATION FOR SEQ ID NO: 3280:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 101 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3280:	
25	TTACCGTCAC CGTAATCAGT CCATACTTTA TCAGCTATAC CGGCTTTAAC AGCATAAATG	60
	TTCGTTCCTG TAGGCATACC AAAGnCGATA CCATAGTGAC G	101
	(2) INFORMATION FOR SEQ ID NO: 3281:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 116 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3281:	
	ACTATGTTTG AMAAATTCGA CAGAATCAGA AGCACAGTCT GAGAACGCAA GAAAAAATTT	60
40	ATGACAAGTT AGATAGAAAT TTCGACGAAC TAAGGGCGTG ACCAAGAAGA AGATGA	116
	(2) INFORMATION FOR SEQ ID NO: 3282:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 148 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3282:	
	ACTTGGTTAG ATAATATAGC GTCGATTGTA TCACGAGTGT CTGTTCCAGT CATTATAAAA	60
55		

	CGTCGTTCTG ATGCTTTTCC TGAATCAT	148
	(2) INFORMATION FOR SEQ ID NO: 3283:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 100 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3283:	
15	AAATGACGAT AGAGTCAGGT ATTAACTCAT TTTnCAATAG TATCAGGAAG ACTACCAAGC	60
	TTATGTTGAA GGGCATCTTT TGGCGTTACC GGGTTGGGCA	100
	(2) INFORMATION FOR SEQ ID NO: 3284:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 101 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3284:	
30	TTAAGAAACC GAGCAGCGCA TAAnCCTGCA GTACCTTATC GCTTCTAGAT AATCCGATTG	60
	CGACACCATT GCAAGATGAC CGGTAATTTT GGAACATATA C	101
	(2) INFORMATION FOR SEQ ID NO: 3285:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3285:	
	TAAAATATTT CGCATCCCTA CACGCTAAAA TAATACATTA CACTTAAAAC GGCTGTTTTA	60
45	AAGCATCCTC CCATAAACAT CATCTAGTTG ATAATAGGGG GGGGGn	106
	(2) INFORMATION FOR SEQ ID NO: 3286:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 95 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3286:	
	TTTAACAATA CCTCAGAACA TACTATGGAA ATTGCTGCAA AGTTAATTGG GCATGCATAT	60
5	TGATCATAAT GCGCTTTTAA ATAAAATGGT GGAGA	95
	(2) INFORMATION FOR SEQ ID NO: 3287:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 141 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3287:	
	TCGAAATAAT ATCTACGCAC ACTGATAACA TAAAAATGCC TGGTAGAATA CTAATGAAAT	60
20	AAGTGCATAC ATGACCACAT GAATGCTAAT AACATGCNAG AACCCATTTT TTGAATATTT	120
	CACCACTCGA ATCATCAATA C	141
	(2) INFORMATION FOR SEQ ID NO: 3288:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 107 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3288:	
35	TAGCTGGACC AGAACACGGT TCGACGTTGC AGGAAGTCTT GAACAGTCGC TGAACGCCAA	60
	GGCGATACTT GGGTTATCCA TGGTGAAAGn AATGGATTGG TGGTGCA	107
	(2) INFORMATION FOR SEQ ID NO: 3289:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 89 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3289:	
	GCTTTGCAAT GCCGATGTTA CTCGCAATAA TCATGTCGCA TCAATTACTT ATGGAAAGCA	60
50	GATTTACGTA TGTCTACAAG TTTAGGCGC	89
	(2) INFORMATION FOR SEQ ID NO: 3290:	

5	<ul><li>(A) LENGTH: 108 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3290:	
10	TGTTACGCCA ACAACAAATC CTACGTCGAC AACTATTTTT AAGCGATGAT TGCAATTAGA	60
	CAGAAATCCA ATCATTTTTG CATTCCATCC AGTGCACAGA AThTCGAG	108
	(2) INFORMATION FOR SEQ ID NO: 3291:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 109 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3291:	
25	GATCAAGnCC TGAGAATTTA ATTTAATTTA TTTTTATATT GGAGATGGTT AAAATGCTAA	60
25	AACTCAACAT GAGTAACCAA AATATTGCCC TTAAAAATGC TGATCATTG	109
	(2) INFORMATION FOR SEQ ID NO: 3292:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 121 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3292:	
	TTGATAATTT TGATATAGAA AGTTATTTAA AATTCGAATA AAAATAATAA CTCATCGACG	60
40	TTTAATGGCT AGGTTCCAAT CAACTATGNG ACATAAATTC AAATTCGATC ACGTAACGAA	120
	A	121
45	(2) INFORMATION FOR SEQ ID NO: 3293:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 107 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3293:	

	GCGCGTAATA CCTGCAGTAC CTCTATCGCT TCTAGATAAT GCGGTTG	107
	(2) INFORMATION FOR SEQ ID NO: 3294:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 111 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3294:	
15	AAAATGTTAA ACCAAAAAGT TTGGTGAGTT ATAATATGGA ATATTAAATC TGTAGAAGAT	60
	AAAGCGAATA TAAAGTGATT AACTTTGGTA ATAAAGAATT AACAGCGAAA n	111
	(2) INFORMATION FOR SEQ ID NO: 3295:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 105 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3295:	
	CCCCGACTAA ATCGAACGCT TTAATGTAAT GATTTGTCCG AATCCCCATC CTGCACCTGA	60
30	TAATAAGGCG AATAGCAAGT TGGTTCCCGT nGGGAAGCCA CTTGA	105
	(2) INFORMATION FOR SEQ ID NO: 3296:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 201 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3296:	
	ATTTATTCAA AACCCGCCAC ATGGGGCAAC GGTTGCCATG GCATGATAGT CCAGATACAT	60
45	GGAAAGGAAT ACAGTCCGGT TAACACTCCA TTAAAAACCT GCGGGTTGGT TAAACCATTT	120
	AACCTAAATG GGTTCCAAGG GTTAACGCGG TTTAAATGTT TGGAAAGGTT TnCCCAGTTT	180
50	CCAAAAGTT TTTnATTCCC C	201
50	(2) INFORMATION FOR SEQ ID NO: 3297:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 415 base pairs</li></ul>	
55		

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(with groupings prographion one to be 2007.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3297:	
	TTTAGACTIT CATCAGTGTT GAATATTTCT CCTTTAACGG TTATAGGTAA TATTTCCTGA	60
10	GAAATATTTC CATTCTTTAC ATTTTCCGCT GTCAATTGAT GACTTCGATA AGCAAATTCA	120
	TCTTGTAATT CTCTTGAAAC ATCATACATC TKGGCCACAT TTTCAGCACC TKGAATCATT	180
	GATGGGTCGC TCATTTCAGG TGCAAATGAT GCACGCTCAT AAAACTCAGG TAATGCTGTT	240
15	TCGTACACAG AATGCGGTCG TTTGATTTTC CAAGGTGCTC GACTTGTACT TTCAACACCA	300
	CCTGCAATAT ATACCTTGCC AGCLCCGGCT TGGATCATGC GACATGCATA TTGAACACTT	360
	TCAAGTCCAG ACCCACATTG CCGATCGrTT GTGACGCCAG TATTGAAGCT TAAGC	415
20	(2) INFORMATION FOR SEQ ID NO: 3298:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 164 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3298:	
	TTAATTGCAG CAGAGCGACT AGCTGATTCA GAGGTGTTAG TTTGTACGGT AATAGGATTC	60
	CCATTTAGGT GCATCGACCA ACTGCCCGAC GAAAAGCCAT TTTGAAAACC AGAAnGATGC	120
35	CGATTCAAAA ATGGGTGCCA AGATTGAAAA TTTGGACCAA TGGG	164
	(2) INFORMATION FOR SEQ ID NO: 3299:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3299:	
	GTAGATGCCA TTTTCACGTT TCTTAGTTAT TGGCATTTTT TAAATGCGAT GTGTGGCTTC	60
	TACATAACGG GAAATTTTAA GTTTTATGAA TCMACATATC AATTGC	106
50	(2) INFORMATION FOR SEQ ID NO: 3300:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 102 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3300:	
	AAAAGGTGTT ATGAGATTAG TAAATCAnTA GACAAGCAGG TAAATTAAGT GATGTCGCGT	60
10	CATTTAAGGA AGCGATTCAC AATCGAGAAC ACAAAGTACA AC	102
	(2) INFORMATION FOR SEQ ID NO: 3301:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 127 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3301:	
	TTAAAAGTTT GGAGATTATC GTGTCGTCTT CAAGTATGCG TTCATTAATT GATATTGGCG	60
	CACCGTATAA CCATGTCAAA GTACCATTTG NAATCAGTCA TTGGCGCATT GGCTGCCCTA	120
25	GCGTTCA	127
	(2) INFORMATION FOR SEQ ID NO: 3302:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 137 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3302:	
	CCAGCTAGAC GATTGCTAAG GTATTGGATG TTTGAAACGT CCATGGACCC AATTGATTAA	60
40	TTGGnTGTAA CTCGGTCAAT GGGTATATCC TAAATGCACT GGCCTGCTGG TGTTCTTCTG	120
	GGCGTTGCTT CGGAAAT	137
	(2) INFORMATION FOR SEQ ID NO: 3303:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3303:	

	ATATAAATTA ACGACGCGTT AATGCAGGCT GATGTGATTT TTATTGGTTT CCCAATTTTC	120
	AAGCTTCCAT CCCTGGTGCT TTGAAAAATG TGTTTGATCT ACTTCCAGTC AATGCGTTTC	180
5	GTGACAAGGT AATAGGACTT GTAGCGACAG CAGGTTCTAG TAAACATTAT TTAATTCCTG	240
	AAATGCATTT AAAACCAATA TTGAGTTACA TGAAAGCACA TACGATGCAA ACGTATLATT	300
10	TATTGAAGAG AAAGATTTTT CAAATCAACA AATTGTCAAT GATGATGTTG TATTTCGGTT	360
10	AAAAGCGTTG GCACAATCCA CAATGCGAAC TGCCAAAGT	399
	(2) INFORMATION FOR SEQ ID NO: 3304:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 102 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(v.) analysis programmer and the very season	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3304:	
	CACCATTATT TACAGGACCT nCGATGACGT GTGGTCCTGT GTTAAGACAT AACATAATAT	60
25	TCTACCTTTG TAATCAGTAC GGGTTTATCT ATCACAGTAC GG	102
	(2) INFORMATION FOR SEQ ID NO: 3305:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 202 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3305:	
	TCAGCGTTAT CAATGANTGA CTCTAATGCC TTTTTACCCA TTTTTGTAAA TGGAACATGG	60
40	AAGCATAGAG ATGCGrAGTC AGCTAGCGAC TTACCTTGAC GTTTTGCGTA TTCATTCCAG	120
	CTTTGTTGGr ATGAGCGGAT ATAAGCATCT TTAGATAATG CACCATCAAC TAATGGATAT	180
	TTATGTCCAG TTGGACGCCA GA	202
45	(2) INFORMATION FOR SEQ ID NO: 3306:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 151 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AAGATAGGGA TTTACACCTA TACCTCGTTC CGGGGAAGGG TCGGTGTTCT GAAAAGTTGG	60
	AACTACTCCC GnCAAATATT AAATTATGGG AGCGGGAAGG ATCAGGGATT TGACACCTAT	120
5	GACCTCCATT CCCAGGGAAG GGAATGTGAT T	151
	(2) INFORMATION FOR SEQ ID NO: 3307:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 87 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3307:	
	AATTTCGTTA CCTGCGCCTT CTTTTTGCGG TTTTTAAATA AGCGAAAATT TCAGGCGGTA	60
20	AGACATAACG TCCCAGAATA GCTAGGG	87
	(2) INFORMATION FOR SEQ ID NO: 3308:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 129 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3308:	
	ATGATGGCAA AGTCACCAAA CTGATTGTGC ACACCAATCC ATCCATCTGC GCTGTAAATA	60
35	ATGGTTCGCA ATAATTTTAA AATACCTTCC GCTACATTTG ATTTAAAGCT GGTTGCGCAn	120
	TGGACTAGA	129
	(2) INFORMATION FOR SEQ ID NO: 3309:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 128 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(D) TOPOLOGI: IIIIeal	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3309:	
	GTTCCTTTTA TCGTAGTTGG TGGGACTCCT TATCGGCATC GCGGCTGGAC TCTAGGCGGT	60
50	GGANACGGAC ATTCAAAAGG GATTTAGTTC ATCCCAGATG GATTTCATTT TGGGGAATTC	120
	CATTTGGA	128

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 83 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3310:	
	GTACGATTCA GCATAAAGTA CACCACATTT GTCACTACGA CATCTGTAGC TGGTATTGAT	60
	CATGCAATCA TGAATAACGC TAA	83
15	(2) INFORMATION FOR SEQ ID NO: 3311:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 85 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
20	(D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3311:	
20	CTGAGGATAA AGCGTCTCCA AGATAAGTCT AAAGATCATC ATAATGGGCA AAAAAGGTGG	60
	CAGCGATTCG GTGGCTGGGA ACAAG	85
30	(2) INFORMATION FOR SEQ ID NO: 3312:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 129 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
35	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3312:	
40	ATTTTATGTC TAAATGCTGG ACCAACAGTA TTGGCTATTA TTTGGTAACG TGATTACTAC	60
	AAAAAATGGA CCGTTGAGTT CGTGGCACAT GATTGATTTT GTAAGTAAGT ATGATGCACA	120
	TGGGCTnTT	129
45	(2) INFORMATION FOR SEQ ID NO: 3313:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 82 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
50	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	

	TCACCTAAAA TTAATCAAGG GACTTAACAT TGGCGAGTCA AGGTATTGAT CAAGCTAATG	60
	GCACAGTTAA ATGATGCCAA AG	82
5	(2) INFORMATION FOR SEQ ID NO: 3314:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 87 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3314:	
	ATGTTATGGA AGAATATTGA GTTAATTGGC AACGACATTA TACCGGCGAT TAAAAAGCCT	60
	TTATCAAAAT AGTGAGGGGC GTCATCA	87
20	(2) INFORMATION FOR SEQ ID NO: 3315:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 136 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3315:	
30	TGAACCCGTC GTTGCCCATT TGCCGGTTCC CGAAAGCCGG CGCCNACGGT TCTCCCTGCC	60
	TAAATAGGGG ATGGAATATT AAACCATCTG CACCTGGTTT AACACGCTTT GCAATTTGAG	120
35	TTAAGACATC ATAAGG	136
	(2) INFORMATION FOR SEQ ID NO: 3316:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 108 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3316:	
	CATTGGCTGT GTCCATTTTT AATCGTTGCG AGTACGTnTA TTAGCAACTT GGAACTGCCA	60
50	TTGTTAATTT CAGCTGTCTG TTACATTTCA ACCATAGTCT TTCACAAT	108
50	(2) INFORMATION FOR SEQ ID NO: 3317:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 142 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(vi) CROUNTED PROCEDING OF AN ARCHAR	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3317:	
	ATCTGAAGCT GGGTTTACTA GAGAAGGTAT GTACGTGACA TGAATTACTA ATGGATTTAT	60
10	TCATCGAGTT ACATCTATAG TTTATTAAAT CAGATACGCC AAAATGChAA TTAGCTTACA	120
	AAGATGATGC ATTAAATGCA CG	142
	(2) INFORMATION FOR SEQ ID NO: 3318:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3318:	
25	AACATTATGT TAATCAACCT AATGAACGEC TTTATAAATT ACGCTAAACA ATATACAGAT	60
25	ATGCCGTTTC TTATCATGCT GGATGAAGAT GAAAATGGAT ATAAAGCGGG TCGATTTTA	120
	AGAGCGAGTG ACTTAGGTCA AACAACAGAG CAAGGCGAAT GGAAGCCAGT TATTCATGAT	180
30	GCAATCAGCG ATAGTTTAGT AGTACCTAAT GGCACAATGG GTCAACGTTG GGAAGAAGGT	240
	AAGAAGTGGA ACTTAAAACT AGAAACAGAA GATGGTTmTA AAATTANCCC TACATTATCA	300
	ATGACAGAAG GTGGATACGA ATTAGAAACA ATTCAATTCC CATACTTTGA TAGTGATGGA	360
35	GATGGGATAT CATCGTCCAA TCCNAC	386
	(2) INFORMATION FOR SEQ ID NO: 3319:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 123 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3319:	
	ACAATGAATG ACATGATTCG AGGTGGACGA CCCCTCCTAT TTTGCATAAA TGCTTTTTGA	60
50	ATCGCCGGTC ATAATGTTCG TTGnCCAATT AACTCAATAT TCTTCATGAC ATTTTCAAAT	120
50	GGC	123
	(2) INFORMATION FOR SEC ID NO. 3320.	

5	<ul><li>(A) LENGTH: 104 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3320:	
10	GGCGAACTGT CAATTGCCGG TATACAACGT ATTTTAAGAG CTGCAGAACA ThCGGGTGTT	60
,0	AAACGTGTGG TCAATGACTG CCAACTTTGG TGCAGTTGGT TTTA	104
	(2) INFORMATION FOR SEQ ID NO: 3321:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 74 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3321:	
25	GCGCCGGTTT TAACAGGTAA TTTAAAACCA AATACTGATA GTAATGCATT AATAGTCAGC	60
	AAAATACAAG TATT	74
	(2) INFORMATION FOR SEQ ID NO: 3322:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 87 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3322:	
	TCACTCAGGG GGAGATGTCA ATGGGTCAAC ATTATTTGAC AAGGTGTGGA CAGACATGTG	60
40	TTATACGGGA AATTGGGCGA CCGCACT	87
	(2) INFORMATION FOR SEQ ID NO: 3323:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3323:	
	TGCCAAATGT TCCCATAATT TCATTACGAN TCTTAAGTAG GTGGCTATCA TTACGATGCG	60

	AATGCGGTCG GAAAGATAAA TAGCTTCATC AATGTCATGC GTCACTAAAA TAATAGTTGA	180
	TTGCGTTTTA TGTTTTAGTT GCACTAGTTG ATCCTGAAGT TTATAACGTG TAAATGCATC	240
5	TAATGCACCT AATGGCTCAT CCATCAATAT AACGTTAGGC TTATGCACAT GCGCTCGACA	300
	TAGTGCCAAA CGTTGTTTCA TACCCCCGGA CAGTTGCTCG GGAAAATGCT TTCCCCTGTC	360
	TTCTAAATCA ACTAATTTAA GCTGTGCGTT AATCTCTTCA	400
10	(2) INFORMATION FOR SEQ ID NO: 3324:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3324:	
	GAAACCATCG ATTGTAGCAC GAACCATGTT GGATTGGTGT GTTTGnATCC TAATGTATTT	60
	ACTTAAGATA TCAGTGATAC CTGTCTAATT GCAAGTACGG TCAGGA	106
25	(2) INFORMATION FOR SEQ ID NO: 3325:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 113 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3325:	
35	TCTGAAnTCG CTGTCTGAAT CTGGAATCAC TGTCTGAAAT CCGAAATCGC TAATCTGAAA	60
	TCCTGAAATC CGCTAATCTG AAACCTGGAA GTCGCTGGTC TGGAAGCCCT GAA	113
10	(2) INFORMATION FOR SEQ ID NO: 3326:	
40	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 78 base pairs	
	(B) TYPE: nucleic acid (C) STRANDEDNESS: double	
45	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3326:	
50	TGTCACGTAC TTGCTGTTCA ACAAATACGT CTTACTGGAC GTGCACCTCA TTCTTCATCA	60
	TAGCCTTCTT CATTAACC	78

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 119 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3327:	
10	AATTGAAAAT TATCTTACTG CGGTTTTTAG GGGTTTATGT CCCAGCCTCT TACTCNAATT	60
	ATATTCACTA TCCATTAGAC CAAATGGGCC ATTTCCAATA ATCCCGCGGT GGTTTCCGA	119
15	(2) INFORMATION FOR SEQ ID NO: 3328:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3328:	
25	GTGTTAAAAC GTCACGACGT TTGTTTAAAA TGATGCGTCA TAATGTCTAC ACTTTGCTTG	60
	CGATCATTCA T	71
	(2) INFORMATION FOR SEQ ID NO: 3329:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 70 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3329:	
40	CTGACGAACC TTGCATCATT TAACTGTCCA TTAGCTTGAT CAATACCTTG ACTCGCAATG	60
	TTAAGTCCTT	70
	(2) INFORMATION FOR SEQ ID NO: 3330:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 69 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3330:	

	CCAATCTCG	69
	(2) INFORMATION FOR SEQ ID NO: 3331:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 70 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3331:	
	GGACACTAAC ATTAATATGG ACTGGTAATG TTGCTGTTAA TAAACTCATA CCAAATCCTG	60
15	GCATCTCTT	70
	(2) INFORMATION FOR SEQ ID NO: 3332:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 82 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3332:	
	CCTTGGGCAC CTTCAATTTG CATATTACGA CGTTTTGCAG CTTGGTTCAA TTGGCAATAA	60
30	CTACACCTAG TGCAGTTGGA TC	82
	(2) INFORMATION FOR SEQ ID NO: 3333:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 76 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3333:	
	ATAAAATAAT TAGAACTCTA ACATTGGTTT AACTAATGTT TAGACTTTTT GTGGTTTGTA	60
45	AAAACAAGTA TATTGA	76
	(2) INFORMATION FOR SEQ ID NO: 3334:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 74 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3334:	
	TGGTAAGTTG AATAAAGTAT TGAAATCGTT GCCAATATCT TTATACCGTT GGTTCCTGGC	60
5	ATTTATTGGG AGGC	74
	(2) INFORMATION FOR SEQ ID NO: 3335:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 74 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3335:	
	AGATAGTTAT GCGCAGTTAA AAACGGTGAA ATGTATTTGC AATAATATGC ATATAGGCAC	60
20	CATACGAGTA AGGG	74
	(2) INFORMATION FOR SEQ ID NO: 3336:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 76 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3336:	
	TTGAATCATT GTTAAAAATG GAATTAAAGT TGCTAGTATC TGTCGGGTTT TGAAATAGGT	60
35	CATAGGAGAA AACAGG	76
00	(2) INFORMATION FOR SEQ ID NO: 3337:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 72 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3337:	
	CCAAAGAGGC GTTATTAAGC TATTGATAAA AGTTATGTTA CTAAAAAATG TATTTAAATA	60
	AGTAGTACCT AA	72
50	(2) INFORMATION FOR SEQ ID NO: 3338:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 75 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3338:	
	ATAAGTCGTT CTACCGTATA GCCGTCATTA TTAATCACAA ATAATACCGG TTTAATATGC	60
10	TGTCTGGTCA TAGTT	75
	(2) INFORMATION FOR SEQ ID NO: 3339:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 72 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3339:	
	TTCATCAAAG TATTCCAATG GGAGAAAAAG CACAATAACA TTATCACTGG ATGCTAAATC	60
25	TAAAGGAACC TC	72
	(2) INFORMATION FOR SEQ ID NO: 3340:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 77 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3340:	
	GTAAAAATAT TTTAATGAAT GTCTTCACTG GAGAACCATT GACAACCTGG TACAAGTGGG	60
40	ATTATTGGCG TTATTTT	77
	(2) INFORMATION FOR SEQ ID NO: 3341:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 67 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3341:	
	AACCAAGGAT GGATTGCTAT TTTAATCCTT GGTTGCTCTT TATTTTATTT	60
5.5	ACCTAGA	67

(i) SEQUENCE CHARACTERISTICS:

5	<ul><li>(A) LENGTH: 74 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3342:	
	CTGGCAAAAG CACGTTTTAC AAGCATCAAT CCATTAATTA ATAATTCCAT TAAATGTAGA	60
	TTCACAGGGA TATG	74
15	(2) INFORMATION FOR SEQ ID NO: 3343:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 415 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3343:	
	GTTTGATCAT TAGAGAGATA TAGATATGCC GTAGAAAATA ATATGTCATT TGCGGATATC	60
	ATGGTTAAAG AAGAAATGGA ATTAAGCGGT AAATCACGTG ATGAAGTGCG AGCGAAATGA	120
30	AACAAAATTT AGATGTCATG CGAGACGCAT AATCAAAGGG ACGACAGGTG ATGGGGTTGA	180
	AAGTGTACGG TCTACACTGG TCATGATGCT GCTAAACTAC GTGATTATAA TGAAACACAT	240
	CATGCTTTGT CTGGGATATG AAATGATTGA CGCACAAGGG TGCCATTGCA ACAAATGAAG	300
35	TCAATGCTGC CGATGGGTAT TATTTGTGCA CGCCAACAGC TGGTTCCTCG GGTACCATTC	360
	CCGGTGGCAC TTTTAAATTA GAAAAAACAC TGGATnGAAC CAGAAGAGCC AATGn	415
	(2) INFORMATION FOR SEQ ID NO: 3344:	
40	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 84 base pairs (B) TYPE: nucleic acid (C) CTRANDEDNING devalue	
45	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3344:	
50	TCCTATACCA CCACCGTCAA CAGCTCCTGC CATCGATCGT ACTTTCAATA AGTCCAATAA	60
	TCGCAGTGGT AATTTCTAAT ACTA	84
	(2) INFORMATION FOR SEQ ID NO: 3345:	

5	<ul> <li>(A) LENGTH: 474 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3345:	
10	CGGGAGGTGT TAANTCTTCA CAAAATGCCG TACTATTCTT TGATGNAATC CATCAAATTA	60
	TCGGTTCAGG TGCCACAGGA AGTGATTCAG GTAGCNAAGG GTTATCTGAT ATTTTGAAAC	120
	CTGCATTAAG TCGTGGTGAG ATTTCTATTA TTGGTGCaAC AACACAAGAT GAATATCGAA	180
15	ACAATATTCT TAAAGATGCT GCATTAACGC GCAGATTTAA TGAAGTGCTT GTTAATGAAC	240
	CAAGCGCTAA AGATACTGTT GAAATTTTAA AAGGTATTCG CGAAAAATTC GAAGAACACC	300
	ATCAAGTAAA ATTACCAGAT GACGTATTAA AAGCATGTGT TGACTTATCA ATTCAATATA	360
20	TTCCACAACG ATTATTACCA GATAAAGCAA TCGATGTGTT AGATATTACA GCAGCACATT	420
	TATCNGCGCA AAGNCCAGCT GTCGATAAAG TTGAAACTGG AGAACGAATT TCTG	474
25	(2) INFORMATION FOR SEQ ID NO: 3346:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 64 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3346:	
35	AAAATTAATA ACTCCTTGGT TATTGATATG CCTAAAGAAG AAGGTACAAT ACAACTAACA	60
	TTAG	64
40	(2) INFORMATION FOR SEQ ID NO: 3347:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 89 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
45	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3347:	
50	AGGAATAACT TGATATTGAT GATAAAATCG TCAAACGGCA CTAATATTTA AAAAACAAAT	60
	GTTTTAAGTT GTTGATTTAA AATATTAAT	89
55	(2) INFORMATION FOR SEQ ID NO: 3348:	

5	<ul><li>(A) LENGTH: 107 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3348:	
10	ATAACTTGTA CTGCTTCCCA TTAATCACTG TGTCTCTTCA CCAGGAGCTG GCATTTCTTT	60
	AAAGAACAnT TCTGATAAAG GTACAATTTC ACCGGGCATA ACTTCAT	107
	(2) INFORMATION FOR SEQ ID NO: 3349:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 74 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3349:	
25	CAACGCATCC TGCACTTTTA CCTATTCCTG AATCACCGGT AATTAGTACA CCAACACCGT	60
	AAACATCTAC TAAA	74
	(2) INFORMATION FOR SEQ ID NO: 3350:	
<i>30 35</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 62 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3350:	
	AGATGCACCT ACTTCTAACT GTCGCCAACA TCGCCGCAAT CATTTCAAAA CTACGTTCTG	60
40	TA	62
	(2) INFORMATION FOR SEQ ID NO: 3351:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 73 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3351:	
	GCTGCAAACA ACAAACTATT TTTGATTAAA TTGTGGATAT GATGGTAACC AACCAAGTCT	60
55		

	(2) INFORMATION FOR SEQ ID NO: 3352:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 77 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3352:	
	ATTGAACGCA AGATTTCGAT ATAGAACATC TAGCGACGTC GATTCGCAAG GTTGAACCAT	60
15	CTACATTAGG TGAGGAA	77
	(2) INFORMATION FOR SEQ ID NO: 3353:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3353:	
	TAATCAACAC GAGGAGATGC TATTTAATGT CATCTGACAC AAACAGTTTA GCACATACA	59
30	(2) INFORMATION FOR SEQ ID NO: 3354:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3354:	
40	TTATGTAACC GACGAATGCT GCGATAGTGC TACGCCATCA CCGCCAGCTA ATCCGATTG	59
	(2) INFORMATION FOR SEQ ID NO: 3355:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3355:	
	TAACTATACC TTTAGGGTTA CTACCACGCT TAGGTAGGTC ATAACCTTTA ACCACATCT	59
55		

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 59 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3356:  AATAACGCTA AACCTAAAAT GCTAAATAAT CCGCCGAACA ACATGCCGTT GTTTGTTGA	59
	(2) INFORMATION FOR SEO ID NO: 3357:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 77 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3357:	
	CCAGAACCAC CCACGCCCTT TGAATATGGG AACTCAAAAC GATCTACTGG CTGATGTAAT	60
25	TACCCCTGTT TTGATTG	77
	(2) INFORMATION FOR SEQ ID NO: 3358:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3358:	
	AAGTTAGGTC TAGGGAACAT CGATAAATTA CCAGTAGTAA ATGCAGTTGA ACAACCAGA	59
40	(2) INFORMATION FOR SEQ ID NO: 3359:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3359:	
50	CATGACCTTT AAATTGCATA TCTTCTGCAT CAGGTGCATC GCTTTTAACA ATAACGTCA	59
	(2) INFORMATION FOR SEQ ID NO: 3360:	

5	<ul><li>(A) LENGTH: 59 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3360:	
10	ACGCGACAAC ACCGCCCTCA ACTAAAGTAG AAGCACCGCA ACAAACAGCA AATGCGACA	59
	(2) INFORMATION FOR SEQ ID NO: 3361:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 66 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3361:	
	GATTTGATCG AATTGAACGA ACATTTGCTT CTCAAACGAT TGCATCTATT AAAGAAGTAT	60
25	GTCTAG	66
	(2) INFORMATION FOR SEQ ID NO: 3362:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 58 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3362:	
	GGTTGCACAT CTTTTACTAC AAATTTCGCT GGTAAAGATG TTGCAAAAGT ATGTCCGT	58
40	(2) INFORMATION FOR SEQ ID NO: 3363:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 58 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
45	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3363:	
50	CCTTGAAACG GCAACATTTT TGGGTCCTTC TCCATCATTT TATTTAAAAG CGCATTAT	58
	(2) INFORMATION FOR SEQ ID NO: 3364:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 58 base pairs</li></ul>	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3364:	
	TTGAGAATTT AGGAGGTTAA TGCGTTGATT AAAAGTGGCA AAGCACGTGC ACATACGA	58
10	(2) INFORMATION FOR SEQ ID NO: 3365:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3365:	
24	GTTTTTTTAT TTTGGATAAA AGGAGCAAAC AAATGGATAT TAACTGGAAA TTGAGATT	58
	(2) INFORMATION FOR SEQ ID NO: 3366:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3366:	
	ATTCATCGGT AATGACATTA TTTTTACTTT GTAATTTCAG TAACAGTTGA TCATCATG	58
35	(2) INFORMATION FOR SEQ ID NO: 3367:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3367:	
	TAAATTAACA GCCGGATGAA ATGAAAGGTG CTACATGCAC AATCAGTAAT ATCGGTTC	58
	(2) INFORMATION FOR SEQ ID NO: 3368:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55	(=, <b></b>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3368:	
5	TACCTACTGG TGAGATTGGC GAACTTGCAA TTAAGGCTAA AAATGTCACG CCAGGATA	58
J	(2) INFORMATION FOR SEQ ID NO: 3369:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3369:	
	TTAAACGGAG AAGGCTTTAC TTTACATGTT GAGGAAGGTC AAGAAGTTAA ACAAGGTG	58
	(2) INFORMATION FOR SEQ ID NO: 3370:	
20	(i) SEQUENCE CHARACTERISTICS:	
	<ul><li>(A) LENGTH: 68 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3370:	
30	CTGCTAAACT ACGTGATTAT AATGAAACAC ATCATGTCTT TGTCTGGTAT ATGTAAATGA	60
	TTGACGGC	68
	(2) INFORMATION FOR SEQ ID NO: 3371:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 399 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
40	(D) TOPOLOGY: linear	
	(with Groupings prographed on the No. 1271	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3371:	
45	ATTACCAACA GCGAAAATAT TGAAAAAGCTG TAAAAAAAGCT GGTGCAsmCm TACTTGGATT	60
	GAGAATTTAG GAGGTTAATG CGTTGATTAA AAGTGGCAAA GCACGTGCAC ATACGAATAT	120
	TGCACTTATA AAATATTGGG GTAAAAAAGA TGAAGCACTA ATCATTCCAA TGAATAATAG	180
50	CATATCTGTT ACATTAGAAA AATTTTACAC TGAAACGAAA kCACTTTTAA CGACCAGTTA	240
	ACACAGGATC AATTITGGTT GAATGGTGAA AAGGTTAGTG GCAAAGAATT AGAGAAAATT	300
55	TCAAAATATA TGGATATTGT CAGAAATAGA GCTGGCATCG ATTGGTATGC AGAAATTGAA	360

	(2) INFORMATION FOR SEQ ID NO: 3372:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3372:	
	ATTTCAACAA CTTTAAAGCA CGTATAATGA TGATTTTCAG ACTTGTACAA AGGAGAAA	58
15	(2) INFORMATION FOR SEQ ID NO: 3373:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 57 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(5) 10102001. 1211041	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3373:	
	AAACCGAGCA GCGCAGTAAA CCTGCAGTAC CTTTATCGCT TCTAGATAAT CCGATTG	57
	(2) INFORMATION FOR SEQ ID NO: 3374:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 57 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3374:	
	AGTACGAATA TTACCTTTAT TTAATGGGTG AGCTAAGTTA CTTTTCATTT CTTCGTG	57
40	(2) INFORMATION FOR SEQ ID NO: 3375:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 70 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3375:	
	GGTGAAGTAT AACTTTGTAA TGGCAGCGCA CTTAATGACT GCCAATAATT GTGACCAACA	60
	ACTAACAGAC	70

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 57 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3376:	
	TTCCAAACTT CATTAGGTGA TAGCTTTAAT TTCAAGGCTG GCAATCGCCA TAACAAG	57
	(2) INFORMATION FOR SEQ ID NO: 3377:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 70 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3377:	
	TCCTTCAAAG TCAATGGATT TGATCCTCAG AGGACTCAGT GTATCCTCCA AGTGACCTGG	60
25	CTCGCATCCA	70
	(2) INFORMATION FOR SEQ ID NO: 3378:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3378:	
	ATGAATCATT AAGCCTTTCG GTGCATATGC TGCAAGACTT TGACCAGCAT GACCAT	56
40	(2) INFORMATION FOR SEQ ID NO: 3379:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3379:	
50	CCAACGACTG CGCCAATATT AATTGTTGCG CCCATCATAA CGACAGCACC ATCTTC	56
	(2) INFORMATION FOR SEQ ID NO: 3380:	

5	<ul><li>(A) LENGTH: 57 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3380:	
10	ACAAAAGCAT CAAGCTGTTG AAACAATCAA TGATAGCATT CGAGATTATT TAGTTAG	57
	(2) INFORMATION FOR SEQ ID NO: 3381:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3381:	
	CATATAGTTT TGCTCACTAC CATAACCTGC ATCAGCTACA AATAACCGAA GTATTT	56
	(2) INFORMATION FOR SEQ ID NO: 3382:	
<i>25 30</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 105 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3382:	
35	GAACACACAG GCAACCCAAA GCAGTGACGG CGAAAnTTGG ATTGATCTTG CAGCATTGAA	60
	GAAGATCGCG ATGACTATAC AATCAATATC GAGTAGAAGA CCGAT	105
	(2) INFORMATION FOR SEQ ID NO: 3383:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 106 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(b) Torobodi. Timedi	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3383:	
50	ngtatgtgaa aactatttgg cgatatttta gtgatgagcc tcagtgatcc tggttcctgg	60
	TTATCACCTC TGCTAGTTTA GTACCGATGG TCCAAGATTG ATGAGC	106
	(2) INFORMATION FOR SEQ ID NO: 3384:	

5	<ul><li>(A) LENGTH: 57 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3384:	
10	TTCTTCGTCA AGATCAATCT CTTCAAGTAC AATCTTTAAT ACCTTCTGCA CCCATTT	57
	(2) INFORMATION FOR SEQ ID NO: 3385:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 65 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3385:	
	CGGGCATCTT AAAGCCGATG TTTATCCTGT AATCCTCCAA AAGGAAACAT GTACCTCAAT	60
25	TAGAG	65
	(2) INFORMATION FOR SEQ ID NO: 3386:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 71 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3386:	
	CATTITIAAT TATTICTATT TGCTTTTTAA CCACTTCTCT GACTGCTTCC GAATCATTTT	60
	TCTTAACTGC A	71
40	(2) INFORMATION FOR SEQ ID NO: 3387:	, <b>-</b>
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3387:	
	TTAGAAAATG ATAAACGTAA AGCAGTAAGT GCTGAAGAAT ATAAAAAAAGC TGACG	55
	(2) INFORMATION FOR SEQ ID NO: 3388:	

5	<ul><li>(A) LENGTH: 56 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3388:	
10	TCTTCGACAA CTTTAATAAT ATTAGCCAAC GCAGTGTCCC CGCCAACTTT TGTTGC	56
	(2) INFORMATION FOR SEQ ID NO: 3389:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3389:	
	ATTTATTAAC GATTAATGAC GCTGGCATGC CAATTCCAGA TGATCATCGT CGTATC	56
25	(2) INFORMATION FOR SEQ ID NO: 3390:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 70 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
30	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3390:	
35	AAATGCTATG TACCCACTTT AGATGAAATT TTAGTAACGT TATGGCCCGA AATGCCAACT	60
	ATTATATTGA	70
	(2) INFORMATION FOR SEQ ID NO: 3391:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 59 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
45	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3391:	
50	CAAACGCAAT AGCTGGTGAC TTAACTGCGG GCACTTGGCA TGTGGATGGC AATACTTCG	5.9
	(2) INFORMATION FOR SEQ ID NO: 3392:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3392:	
	GCATCTACTG GGAAACGATT ACAAATTGGT GATTTATTAC AAAAGCCAAC TGTAT	55
10	(2) INFORMATION FOR SEQ ID NO: 3393:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3393:	
20	TTTATAAATA TCCCAGTCTG AACGCGATTC CCATAACGGA TCAATGGCAG GATTG	55
	(2) INFORMATION FOR SEQ ID NO: 3394:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 55 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3394:	
	TGCTTACGCT CAGTGACATA ATCTAATGTG GCACGTAAAG CGCCACCATA CCACC	55
35	(2) INFORMATION FOR SEQ ID NO: 3395:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3395:  AGTCACCATT TGTTGGTACA GGTTATGGAA CACGTTGCAG CACGTGATTC TGGTGCGG	58
	(2) INFORMATION FOR SEQ ID NO: 3396:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3396:	
	CAAATCCATT TAAAACCAAT ATTGAGTTAC ATGAAAGCAC ATACGATGCA AACGT	55
5	(2) INFORMATION FOR SEQ ID NO: 3397:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3397:	
	TGTTGATGAG TCGTGTTTTA TCTCAAGATG TGTTACTCAA AAAGTTATAG AAGA	54
	(2) INFORMATION FOR SEQ ID NO: 3398:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 54 base pairs  (B) TYPE: nucleic acid	
	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3398:	
	CTTCGTCAAG ATCAATCTCT TCAAGTAAAT CTTTAATACC TTCTGCACCC ATTT	54
30	(2) INFORMATION FOR SEQ ID NO: 3399:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3399:	
	AATGAAAAGC TAGCTGTAGT TGCAAGAAAA ACTGGCTTAG CGATGGCAGT TGGAT	55
	(2) INFORMATION FOR SEQ ID NO: 3400:	
45	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 54 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3400:	

	(2) INFORMATION FOR SEQ ID NO: 3401:	
5	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3401:	
	TAAAAATCGC GCACTTAAAC CGCTTATGAC AATCATTATT ACCGCAATAT GCTTG	55
15	(2) INFORMATION FOR SEQ ID NO: 3402:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3402:	
25	GGCACCTCCT TGGATTATTT TTCTTCTACT GTTACTAAGT GCTTAACTTT GTTG	54
	(2) INFORMATION FOR SEQ ID NO: 3403:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 58 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3403:	
	GATAAGTCTA ACAAGTGGCA CCCATAATCG ATTAAACTAC CGCCACCTTG CAACGTTT	58
40	(2) INFORMATION FOR SEQ ID NO: 3404:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 65 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3404:	
50	TCGTTTTCGT CCCCAAATTC TGCCAACTTA TTCATGAACT TATCTAGCGC TATTGTTCTT	60
	TGTCT	65

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 55 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3405:	
	AAATTTCAGC ACCAATTGTT ATTGGACGAC ACCATTTAGA TGCTGGTTCA GTTGC	55
	(2) INFORMATION FOR SEQ ID NO: 3406:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 56 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3406:	
	TCGATTTCAG CGGAACACAT GTAACGTTAG CACAAGCCAT GAACCAATTA GGTGGC	56
25	(2) INFORMATION FOR SEQ ID NO: 3407:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 74 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3407:	
35	AATTGCTAAT GGTCAAGTAT GGACGTGATC ATTGTTGGTA CTACTTATTG CTGAAACTGT	60
	TAAAGATTAG AAGG	74
40	(2) INFORMATION FOR SEQ ID NO: 3408:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 68 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3408:	
50	TGATTTCACA CTTGATAACG GATACTTCGA AGAGATACAT CAGCAGCGTT CAGCTCAGAT	60
	AGTGCTCA	68

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3409:	
	TATGATTAGA AAAAGGGGAA TTTTTATGGA GTATAAGAGT TACTATGATT CGCC	54
	(2) INFORMATION FOR SEQ ID NO: 3410:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 54 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3410:	
	TATCTTTCAT CATTGAAGAA GATCGCGATG ACTATACAAT CAATATCGAG TATA	54
25	(2) INFORMATION FOR SEQ ID NO: 3411:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 53 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3411:	
33	TTGAAGTGCA CGAATCGAAT TATTGTAAGC AGTAATACTT GCCGGCTTCT TAC	53
	(2) INFORMATION FOR SEQ ID NO: 3412:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 63 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3412:	
	TAGCCGATGG AACCCCATAA CGGTTGCCCT ATAAAAGTAT TGTTTTTGTA TAGTGCTAAA	60
50	TCA	63
	(2) INFORMATION FOR SEQ ID NO: 3413:	

5	<ul><li>(A) LENGTH: 53 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3413:  ACTACCATTG CTTGTTCCGG TTTCACAACT GGTTCAGTAT CATTTACAAC TGC	53
	(2) INFORMATION FOR SEQ ID NO: 3414:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 62 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3414:	
	ATGCTGTTGT AAACGGTAAT ACAACATACC TGCCCAACCC GGTAACGCCA AAAAATGTCC	60
	TT	62
25	(2) INFORMATION FOR SEQ ID NO: 3415:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3415:	
	ACTTAGATCA ATCACATGAT GCCTCACGGA ATCCATTATT TGAAGGTCAT GTTAG	55
	(2) INFORMATION FOR SEQ ID NO: 3416:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 53 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3416:	
	TTAGTTCCAG CAATACCTGC TACAGTTGCT GCAGATGCTT CTTTCACCCA TGG	53
50	(2) INFORMATION FOR SEQ ID NO: 3417:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 59 base pairs	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3417:  TGATTTAGGT GCAAAAATTG TAGGTATCGC TGAGGCTTAC GGTGCATTAC ACGATCCAA  (2) INFORMATION FOR SEQ ID NO: 3418:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear		(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
TGATTTAGGT GCAAAAATTG TAGGTATCGC TGAGGCTTAC GGTGCATTAC ACGATCCAA  (2) INFORMATION FOR SEQ ID NO: 3418:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (C) STRANDEDNESS: double	5		
(2) INFORMATION FOR SEQ ID NO: 3418:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT (2) INFORMATION FOR SEQ ID NO: 3420: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  (xi) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(X1) SEQUENCE DESCRIPTION: SEQ ID NO: 3417:	
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDENDESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  CGTGGTCACC ATCACCAATT GCTCGATCTA ATTCAGTAAT TCAGATTCAT GTT (2) INFORMATION FOR SEQ ID NO: 3419:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDENDESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDENESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  40  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  45  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDENESS: double		TGATTTAGGT GCAAAAATTG TAGGTATCGC TGAGGCTTAC GGTGCATTAC ACGATCCAA	59
(A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:  20 CGTGGTCACC ATCACCAATT GCTCGATCTA ATTCAGTAAT TCAGATTCAT GTT (2) INFORMATION FOR SEQ ID NO: 3419:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  30 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT 35 (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double  40 (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	10	(2) INFORMATION FOR SEQ ID NO: 3418:	
CGTGGTCACC ATCACCAATT GCTCGATCTA ATTCAGTAAT TCAGATTCAT GTT  (2) INFORMATION FOR SEQ ID NO: 3419:  (i) SEQUENCE CHARACTERISTICS:	15	<ul><li>(A) LENGTH: 53 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
CGTGGTCACC ATCACCAATT GCTCGATCTA ATTCAGTAAT TCAGATTCAT GTT  (2) INFORMATION FOR SEQ ID NO: 3419:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  40  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  45  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3418:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	20	CGTGGTCACC ATCACCAATT GCTCGATCTA ATTCAGTAAT TCAGATTCAT GTT	53
(A) LENGTH: 55 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:  TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  40  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  45  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(2) INFORMATION FOR SEQ ID NO: 3419:	
TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	25	<ul><li>(A) LENGTH: 55 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT  (2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	30		
(2) INFORMATION FOR SEQ ID NO: 3420:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  45  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3419:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 53 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double		TGGACCTACT GCAATAACTG AACGTCCTGA ATAGTCAACA CGTTTACCAG TAAGT	55
(A) LENGTH: 53 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	35	(2) INFORMATION FOR SEQ ID NO: 3420:	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:  TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(A) LENGTH: 53 base pairs (B) TYPE: nucleic acid	
TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	40		
TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG  (2) INFORMATION FOR SEQ ID NO: 3421:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3420:	
(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double	45	TGTCTCCGGT ACCGTTTGCA CCAGGAATAA AGATGAGCAC GGGTCCTTGT CCG	53
(A) LENGTH: 72 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double		(2) INFORMATION FOR SEQ ID NO: 3421:	
	50	<ul><li>(A) LENGTH: 72 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3421:	
	AAATTAAGAA AATTCATTGC CAGATAATTT AGATAAATAA TTAAAACTTA GACCATTCAC	60
5	CCCAATCCCT GA	72
	(2) INFORMATION FOR SEQ ID NO: 3422:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3422:	
	CATATGTTAA ATGGACTCGC TAGATTTAAG TCGCAATAGT AGCGGCCGTT TCTT	54
20	(2) INFORMATION FOR SEQ ID NO: 3423:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3423:	
	CACGTTTCAA ACCTAAAAGA TGCTAAAAAT TTCTCTTAAT TCTTGTGCAA TA	52
	(2) INFORMATION FOR SEQ ID NO: 3424:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 54 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3424:	
	ATCGCCTAAC CAAGATGCAC CATCGGTGAT TTTATCGCCT GCCGCTTCAA CCAT	54
45	(2) INFORMATION FOR SEQ ID NO: 3425:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AATAGAAAAT GTACGTAGCG GTATGATGAG GATTTCGCAG ACTAGTTTAG GGTCAAGTG	59
	(2) INFORMATION FOR SEQ ID NO: 3426:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3426:	
15	CCAACGCCAG ATCCAGAACC AAGTCCAGAC CCAGAACCGG AACCAAGCCC AG	52
	(2) INFORMATION FOR SEQ ID NO: 3427:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3427:	
	CCATATTAAT GGTTATGTTT ATGTGAATGC TTGCTTGCTG GACTTGTCTT TT	52
30	(2) INFORMATION FOR SEQ ID NO: 3428:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(b) TOPOLOGI: TIMEAL	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3428:	
40	TAAAACAGAG ATTGATACTG CAGAAGATAA CTGTATCTCT CCATCTACTG TA	52
	(2) INFORMATION FOR SEQ ID NO: 3429:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3429:	
	TGAAAATCCA CAAGTCGCAC GTACAGTGTT TGAAAAAGGT ATTATGGCGG CA	52

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 76 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3430:	
	ATAATTCTTC CAAATATATG AAAATGGATT TGTTCTTTTT TTATAAAAAT CTTATGCTTT	60
	TTAACTAATT GTAAGA	76
15	(2) INFORMATION FOR SEQ ID NO: 3431:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 60 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(b) Torologi. Timedi	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3431:	
25	CTGCGGGGGA TAACTGTATC TCTCCATCTA CTGGTAAGTC GTATTAGAAC TAAAGCGGCT	60
	(2) INFORMATION FOR SEQ ID NO: 3432:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3432:	
	GGCTTCAGGC TCATTGATAG GTAAAAGTTG CAAAGCCTGC AAAGCGATTG GG	52
40	(2) INFORMATION FOR SEQ ID NO: 3433:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 69 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
F.O.	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3433:	
50	TCGCACGATA CGCCTCCGAA TGAAGAAGGT TTATTGTGCG ATTCTTTTAT TGTTAAATTT	60
	TAAATTTTT	69

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3434:	
	GATCGCTATC CATTAGCTAA ATTTAAACGT TCAAACTCAG GTACATGTTA C	51
	(2) INFORMATION FOR SEQ ID NO: 3435:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3435:	
	TATAGCTACT GCTGCAGCTG CGGCCATTGC AGATGCTGAA CCAACTTCAG C	51
25	(2) INFORMATION FOR SEQ ID NO: 3436:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 70 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3436:	
35	ATTAAAGCCA ACATTAATTT ATCCACTATT AACAATAACG GCTACAGGCT TATTAATGAT	60
	TTATACCTTT	70
40	(2) INFORMATION FOR SEQ ID NO: 3437:	
,•	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 51 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
45	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3437:	
50	TTTGTTTGTT GATTCTTCTC CACCTGTTTC AGGTAGTTCA GATTTCTTAG A	51
	(2) INFORMATION FOR SEQ ID NO: 3438:	

5	<ul><li>(A) LENGTH: 51 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3438:	
10	GTGAATTCCG TAATTACATT TTAGGCTTGA TTTTCTATCG CTTCTTATCT G	51
	(2) INFORMATION FOR SEQ ID NO: 3439:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3439:	
	TTAAGACAGG TTCCTTATGG GACTCTAACA ACGTATGGTG CTATTGCCAA A	51
05	(2) INFORMATION FOR SEQ ID NO: 3440:	
25	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 55 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
30	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3440:	
35	CACTAGAAGA AACGGATTCA TCAGCTATTG GTATCGATTA CCATACTGCT GTGGA	55
	(2) INFORMATION FOR SEQ ID NO: 3441:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 77 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3441:	
	CTTCTGGCAA TAGACCGCGA GTTACTGGGG GCAAAACCAG TGTGTAAAAC CGGAACTACT	60
50	ATGAGGGGCA TGAAAGT	77
	(2) INFORMATION FOR SEQ ID NO: 3442:	
5.5	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 55 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3442:	
	GTTCGGTTGT GACAGTCAGT GGACGCGTTA CCAAATGGGC GGGAATTAAA GCAAA	55
	(2) INFORMATION FOR SEQ ID NO: 3443:	
10	(i) SEQUENCE CHARACTERISTICS:	
	<ul><li>(A) LENGTH: 51 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
15	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3443:	
20	ATGAACTTTG GGATAAAGGT GATGCCCAAA CTTTCCGTAA CTCATGATGA T	51
	(2) INFORMATION FOR SEQ ID NO: 3444:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3444:	
	CAACGCAGCA AAGCGGAGTG GCCCTTTACC TTCACAGAAT AATGGTCTAA T	51
35	(2) INFORMATION FOR SEQ ID NO: 3445:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
40	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3445:	
40	ACCGAGCAGC GCACTAAACC TGCAGTACCT TTATCGCTTC TAGATAATCC	50
	(2) INFORMATION FOR SEQ ID NO: 3446:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3446:	
_	CCAATGCAAC GATCCAGTTA TTGTGTTGGC GCAATTGATT AATAGTATTC	50
5	(2) INFORMATION FOR SEQ ID NO: 3447:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3447:	
	GCGCATCATA TCCCATTGCA CCGATAAGAT CCTTCTTACC TTCTACAAGT	50
	(2) INFORMATION FOR SEQ ID NO: 3448:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 60 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3448:	
30	GTTCTTACTT CTTTATCGTG GCTCCAACGT GCTCTGTACA TTTTTTCCCA TCTCTCTACT	60
	(2) INFORMATION FOR SEQ ID NO: 3449:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3449:	
	CAACACCACC GACACCAGAA GTACCAAGGG AGCCGGAAAC ACCAACACCG	50
	(2) INFORMATION FOR SEQ ID NO: 3450:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 88 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3450:	
55		

	TTATCACGGT ATATGAGGGG ATTTGAGG	88
	(2) INFORMATION FOR SEQ ID NO: 3451:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3451:	
15	TGCAAAACGT TATGAAGTAC AAGTTGATGG AAGCAACAAA GTAAGTGCGn	50
	(2) INFORMATION FOR SEQ ID NO: 3452:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 64 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3452:	
	CAGTTAAGTC ACCAGCTATT GCGTTTGGTG ATCTTAAGCA GGCGTGGATT ATCAAGTTTG	60
	GGTA	64
30	(2) INFORMATION FOR SEQ ID NO: 3453:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 131 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3453:	
	TCGTAAACAA TATACTATCT CAACATTTAT TCATCCAATG GAGATAACGT ATTGCGCGGT	60
	TTAACAGGTA ATTTAAACCA AATACGGTAG TAAThATTAA TAGATAGCAA ATCAAGTATA	120
45	AAGAATAAGT A	131
	(2) INFORMATION FOR SEQ ID NO: 3454:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3454:	
-	TTAAAAATGC AGTTATGGCC TCTAAAATCG TATTAAGCAT ATTAGCGCCC	50
5	(2) INFORMATION FOR SEQ ID NO: 3455:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3455:	
	TGCTACATGG CGTTACGGTC AAGATCGTCA ACGATTGATG GGTACAATTG A	51
	(2) INFORMATION FOR SEQ ID NO: 3456:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
25	(D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3456:  ACAAACTGCC AACGATTGGT CGTGTGAATC ATCCAGTGGA AGAAGCGCAn	50
	(2) INFORMATION FOR SEQ ID NO: 3457:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3457:	
	AATCACGTGA GAAGGATACA GCTATTAGTA TCGGTATCAT CGCATTGATT	50
	(2) INFORMATION FOR SEQ ID NO: 3458:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3458:	

	(2) INFORMATION FOR SEQ ID NO: 3459:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3459:	
	GGGCCAACAA ATCGGAAACT GCCAATTGGA CGGTTGCCGT CATCAAACCC	50
15	(2) INFORMATION FOR SEQ ID NO: 3460:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 68 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3460:	
25	TGCTTCCGCT AGAGGATCCG GTATTGCTAG TCAATTACTA CACCATTTAA ATTGTGGAAG	60
	CAAAAGCT	68
30	(2) INFORMATION FOR SEQ ID NO: 3461:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 51 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
35	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3461:	
40	TGGTCTTCGC AATCCACGGA TATACCTTAG TACCAGGTAA TTGACCACCT T	51
	(2) INFORMATION FOR SEQ ID NO: 3462:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 56 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3462:	
	AAGCTATTAA TGTAATTTAT CAATTGATTG TGCAACGGAC ATCATCTACA AGACCG	56

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3463:	
	ATACCAAATG TGAGAAACTG GAGCAGCAAn TTCAATGTGA CCCATTCTTT	50
	(2) INFORMATION FOR SEQ ID NO: 3464:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3464:	
	TCTTTACGGC GTGGTTCTAA TCGCATCTTT TTCAATCTAA GTGCGTTTnT	50
25	(2) INFORMATION FOR SEQ ID NO: 3465:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 57 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3465:	
	AAAGAAGATT GGAACGTGTA TTGACGACTG CACCCAGGTA TGGGTGTTCG CCCGACA	57
		<i>J</i> ,
40	(2) INFORMATION FOR SEQ ID NO: 3466:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 63 base pairs  (B) TYPE: nucleic acid	
45	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3466:	
50	ACATCCGAAA GATGACTTGT TTAAAAAAGC AGAGCATGAT TTGCTTACTA TGATTACACG	60
	CGG	63
	(2) INFORMATION FOR SEQ ID NO: 3467:	

5	(A) LENGTH: 57 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3467:	
10	TACCGATGAT TTCCGAGACA TAGACCGGCC TGTCTGGGGG TCAACTGGAA CTTGGTC	57
	(2) INFORMATION FOR SEQ ID NO: 3468:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3468:	
	TGTTCCTAAT ATTTATGTTG TAAAAATGTA CAATCTAATT AAAGCAATAG TCTTGGGCA	59
25	(2) INFORMATION FOR SEQ ID NO: 3469:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 57 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
30	(D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3469:	
	TCCATGATCG TTCAACATTT AAATACACAA CTTAATAAGT ATCGTGTACA AGTTATG	57
	(2) INFORMATION FOR SEQ ID NO: 3470:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 59 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
	(D) TOPOLOGY: linear	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3470:	
50	CCCTGTTCAG GCTATCCTCT AAAGTGACGA TATAGAATAG CGATTAATAT CGCGATAGT	59
	(2) INFORMATION FOR SEQ ID NO: 3471:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 50 base pairs	
55	(B) TYPE: nucleic acid (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3471:	
5	TACGCCATCA nCGCCAGCTA ATCCGATTGC GACACCTAAT GCGAAATCAT	50
	(2) INFORMATION FOR SEQ ID NO: 3472:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3472:	
	AACGTCATCA AATGGAAGTA CGTGACGTTC ACTACTCTCA CTATGGCCGT ATGT	54
20	(2) INFORMATION FOR SEQ ID NO: 3473:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 56 base pairs  (B) TYPE: nucleic acid	
25	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3473:	
30	TAATAGGCAT TCCCATTAGG TGCGTCGACA ACTGCAACGC AAGCATTTGA AACAGA	56
	(2) INFORMATION FOR SEQ ID NO: 3474:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 55 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3474:	
	TTTTAAGAAT GTCGCGTTAT CTGCGCCCAT TGGATTGACA TACTTCATAC GTATA	55
45	(2) INFORMATION FOR SEQ ID NO: 3475:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 54 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
50	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	

	GCCTTTAGGT AAAATGGGCA GAAATGCTAA TCATTTTGGC GGCGAAATGA AAAA	54
	(2) INFORMATION FOR SEQ ID NO: 3476:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3476:	
15	AAAnCATTCG CAATCGACCA TAATTTTTTA TGTAATTCAG CTTGTTGCTG	50
	(2) INFORMATION FOR SEQ ID NO: 3477:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3477:	
	GGANGACCAT TAATCGATAT CGGTACACAC GCTTTAGATT TAACGTTATG	50
30	(2) INFORMATION FOR SEQ ID NO: 3478:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 60 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3478:	
40	TGCCTCCTTA CGCCATGATG CTTATTCAAA GTAAATTGCT TTGCCGGACT TTGCAGACTG	60
	(2) INFORMATION FOR SEQ ID NO: 3479:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 77 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3479:	
	GGTCTTTCAG CTGCTAACGA GTTCCTGTTA CTGTTCATGT CTATCACTTT GCGTTCCCTC	60

	(2) INFORMATION FOR SEQ ID NO: 3480:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3480:	
	CAAGTATCAT ATGGACGGCT CGCCCAACAC AAAACAAGnC CAAGCAAAAC	50
15	(2) INFORMATION FOR SEQ ID NO: 3481:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 62 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3481:	
25	ATTAAACAAC ATAGCTCGGC TAATCCTTTA AAGCTTTTGA GTTTTTCTGT TGTAGAACAA	60
	GA	62
	(2) INFORMATION FOR SEQ ID NO: 3482:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 51 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
35	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3482:	
40	TGTGGCTAGC TGTTTCTTTT TTAGGTGCTG TGTAGGAGAT GAACTGATCG T	51
	(2) INFORMATION FOR SEQ ID NO: 3483:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 54 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	() CROURNOR DECORIDATION, CRO ID NO. 2402.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3483:	F.4
	GCAGTTTATA AGTAGAGAGA CAGCTGATCA TGAGATAAAA ATGGGTAAAT ATTT	54

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3484:	
	TTATCTATCA CAGTACGAAT CCCCCAGAGT ACCGATTGTG ACAGCAACTT CTGCG	55
	(2) INFORMATION FOR SEQ ID NO: 3485:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3485:	
	ATCTCTGGTT CGATTCCCGT CGAGACCGGC ATCATTACAT GTTTATTATG GG	52
25	(2) INFORMATION FOR SEQ ID NO: 3486:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3486:	
	TGTGTCACGA TAATAGGCGT AATATCACTC TTTGGCATGA TTGCCGGATG	50
	(2) INFORMATION FOR SEQ ID NO: 3487:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 67 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(2)	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3487:	
50	TATTTTTGAT CACACTCAAC GCACAAACGA ATGGCCTTTA CCTTCACAGA ATAATGGTCT	60
30	AATGTAA	67
	(2) INFORMATION FOR SEQ ID NO: 3488:	

5	<ul><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3488:	
10	TAGGTGGTCA ATTACCTGGT ACTAGGTATA TCCGTGGATT GCGAGGACAA	50
	(2) INFORMATION FOR SEQ ID NO: 3489:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 60 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3489:	
	CAATTGTACT TCATAACGTT TTGCATTTCG CCACCTTCAC CACTATATTT TCCCATGGTC	60
25	(2) INFORMATION FOR SEQ ID NO: 3490:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3490:	
	CTAAACTGAT TGTTTTACGT AACGTTTCAT CGGCTTCTTT CGCTTCTATC	50
	(2) INFORMATION FOR SEQ ID NO: 3491:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 52 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3491:	
	TCGATTTACC TTTCATCATT GAAGAAGATC GCCATGACTA TACAATCAAT AT	52
50	(2) INFORMATION FOR SEQ ID NO: 3492:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid	
55	(C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3492:	
_	AACCTTTTCA CAAATATCAT ATAACTCTTC TAATGGGATA ATCTCTTCAT GT	52
5	(2) INFORMATION FOR SEQ ID NO: 3493:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 67 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3493:	
	GGTTTTAAAC CGTCACGAAC ATCTGGCAAT GCACGAGCAA CGTACATACG TATCTAAAGT	60
	TACGCTT	67
20	(2) INFORMATION FOR SEQ ID NO: 3494:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3494:	5.0
	TACGTTATGT TATGTAAATA ACAGTTAATT ATACCGGTGG TCTGGGTCGA	50
35	(2) INFORMATION FOR SEQ ID NO: 3495:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 60 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3495:	
45	CGCTTGTTGT TGTACTTTGG CAGTTCGCGT TGTGGATTGT GCCAGCGCTT TTAAACCGTA	60
	(2) INFORMATION FOR SEQ ID NO: 3496:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 56 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3496:	
	GGCACCGGCT TCTCTATTGC TTCTTTAGCA TATCTGCAGC TCTCTCAAGG GACATG	56
5	(2) INFORMATION FOR SEQ ID NO: 3497:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 59 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3497:	
	CACCTTTAGG ATACGCGTCT AACCACTGTG TCGCGTCTCT ATATATCGCT AAACACGTA	59
	(2) INFORMATION FOR SEQ ID NO: 3498:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 55 base pairs  (B) TYPE: nucleic acid  (C) STRANDENESS: double	
25	(D) TOPOLOGY: linear	
	(wit) specifical programment specification and alone	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3498:	55
30	AAGTAATATC TGAATGCGTA TATTGTCTAA TTTCAAATTC TACAGACATC GACGT	"
	(2) INFORMATION FOR SEQ ID NO: 3499:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(with groupings programment on the No. 1400.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3499:  Antigracacg Togatottca Catgacaaca Acgatatttt Gaccatcaca	50
		50
45	(2) INFORMATION FOR SEQ ID NO: 3500:  (i) SEQUENCE CHARACTERISTICS:	
	<ul><li>(A) LENGTH: 56 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
50	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3500:	
55		

	(2) INFORMATION FOR SEQ ID NO: 3501:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3501:	
	TGTGTGCCTT TAAGTTGTTG ATGACACGCA TTCACGACAA CAGACATGAC AC	52
15	(2) INFORMATION FOR SEQ ID NO: 3502:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3502:	
	CTGGCTTCAA TGGCAACTTC TGTACCTGGT ACCAATGGGC GATGACCGAT	50
	(2) INFORMATION FOR SEQ ID NO: 3503:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3503:	
	TGTCCGACTT GGCGGnATCG TAATTTAGCG ChTGTAATTC TAAAGGGACC	50
40	(2) INFORMATION FOR SEQ ID NO: 3504:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 64 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3504:	
50	AACCTTCATA TTGCTTCTAA TAAGAAACCG AGCAGCGCAC CAAACCTGGC AGTACCTTTA	60
		64
55	TCGC	04

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3505:	
	TATTGATGTT GAAAACTGTT ATGTCCTTTC GATGGGCCAA CACnAAnATA	50
	(2) INFORMATION FOR SEQ ID NO: 3506:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3506:	
	GAATATGGTA TCAATGGTAT GCACTAAGGC TTTATGAAAT TCATTTAAAA T	51
25	(2) INFORMATION FOR SEQ ID NO: 3507:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 64 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3507:	
	CGGTTTTAAT CGGTAAATTA AATATGGATG AGTTTGCAAT GGTGTTCACA GAACATCTAT	60
	TTAA	64
40	(2) INFORMATION FOR SEQ ID NO: 3508:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
45	(D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3508:	
	CAAGGCCTTG TTTTTAAAGC AGCTACAGTT GGCAATATGT CCACTCATGT	50
	(2) INFORMATION FOR SEQ ID NO: 3509:	

5	<ul><li>(A) LENGTH: 50 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3509:	
10	CAGATGCAAA TTGACATGGT CATCAACATC nGTnCATTAA AAGATGGACG	50
	(2) INFORMATION FOR SEQ ID NO: 3510:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 94 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3510:	
	ACAAGAGGGT CACCCAGCTC GGTCGATTCC CACCGCCACA TCATGATATT TATTCATAGA	60
	GTTTACGCAC TGTACATGAT TGAATGCGAT AAAG	94
25	(2) INFORMATION FOR SEQ ID NO: 3511:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 54 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3511:	
	ACTCAACAAT GGATATTCTT ACACTGAAAA ATGGGTAATG GTGCAAACAT AGTA	54
	(2) INFORMATION FOR SEQ ID NO: 3512:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
45	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3512:	
50	CCGGATGCAC ATTTGATGAC TGAAGTCCGC GATAAAGGGA CAANAGTCAN	50
	(2) INFORMATION FOR SEQ ID NO: 3513:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 58 base pairs</li></ul>	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3513:	
	GCATTAAATT GAAACAATCG GATTTACAAT TTTCTCTTAA TGCTGTCGTC TACACAGC	58
10	(2) INFORMATION FOR SEQ ID NO: 3514:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 66 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3514:	
20	GTGTTCGTGT TCATGCAAGG TGAATGCGAG TGATCTGTTG GTATGGGCTT TATGCATGGC	60
	AATCTG	66
25	(2) INFORMATION FOR SEQ ID NO: 3515:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3515:	5.0
33	ATGCCACTGA TAATGCnnCT GAACTTATTG ATGACTTCTC ATTAGACTAT	50
	(2) INFORMATION FOR SEQ ID NO: 3516:  (i) SEQUENCE CHARACTERISTICS:	
40	(A) LENGTH: 50 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3516:	
	CGGCGACAAA GAGTAAACAC AGCGGAGGGA CAAAGCCCGC GACTAGCAAC	50
50	(2) INFORMATION FOR SEQ ID NO: 3517:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 51 base pairs  (B) TYPE: TRUNCHE acid	
55	(C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3517:	
5	ATGCCTATGT AGCACCGAGT ACCGATACCG AACACTTAGC TACGCCAGTT C	51
	(2) INFORMATION FOR SEQ ID NO: 3518:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3518:	
	GAGCATNAAG GTGATTTNGA TCGCTATCCG TTAGCTAAAT TTAAACGTTC	50
20	(2) INFORMATION FOR SEQ ID NO: 3519:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 64 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3519:	
30	GATTGGTATT TAGCTTTAAA TTTATGGTTG GAATAGTAGG TGGCATATAT CGCTGTTAGT	60
	ATCG	64
35	(2) INFORMATION FOR SEQ ID NO: 3520:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 73 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3520:	
45	TCTTCAATCT CAGGGGCATC TACTAACATA TCATCCAGTC AATATTGCGT CACATTGTTA	60
	ATCGGTTCCG ATC	73
	(2) INFORMATION FOR SEQ ID NO: 3521:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 75 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3521:	
5	TCAAATTGGC AATTGGTACG AATGTCGACT GTACTAACAT CATTAGCTCA TGATTGCCAG	60
	GTGATTTCAT GGATG	75
	(2) INFORMATION FOR SEQ ID NO: 3522:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 57 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3522:	
	TTCCAATGGG CTTCTGACTT TGGCGGTTTT AGTGCTTGGG TTGCCGGCGG TTTTGGA	57
20	(2) INFORMATION FOR SEQ ID NO: 3523:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 72 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3523:	
	TGGTGGAGGT TTTGTTTTT CCGTGTCGGT TTTTGTTTTC GTCTTGGTTT CTTTTGTTTT	60
	TGTGTTCTCT TT	72
35	(2) INFORMATION FOR SEQ ID NO: 3524:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 51 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3524:	
45	ATATCACAAT ATACCGGTTT ATATGCTGTC TAATCATAGT TGAATAGTGA C	51
	(2) INFORMATION FOR SEQ ID NO: 3525:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 59 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3525:	
	TAGACCGTCG TGGATAGTTT TGGGTACGGT AACCAATTTA TTTTGAAGAG ACCATCCTC	59
5	(2) INFORMATION FOR SEQ ID NO: 3526:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3526:	
	TAATAACGTT GCCCTCCCAT GTATATCCTA CCAACATGAC ATCTTGTACA	50
20	(2) INFORMATION FOR SEQ ID NO: 3527:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 52 base pairs  (B) TYPE: nucleic acid	
25	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3527:	
30	TTCCCAACGA GCAGTCGCAT GCGGTACTGC CACGGCATTT TGATGCAGGC CT	52
	(2) INFORMATION FOR SEQ ID NO: 3528:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3528:	
	AAAGAAAnGA TnGnnnGnnn GnAnAAAnnn nnCCATnnnn nTAAAAAAAA	50
45	(2) INFORMATION FOR SEQ ID NO: 3529:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 62 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	CATTAGCCTC ATCCCCTTCG TTTAGACTCG CTATAGATGC ACTAAATGGC GATATATTTT	60
	TC	62
5	(2) INFORMATION FOR SEQ ID NO: 3530:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3530:	
	CACTACCACA AAAATTATAG GTGTTGACCT TCAGGnGCAA GTAGTATGAT	50
	(2) INFORMATION FOR SEQ ID NO: 3531:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(b) Torobodi. Timear	
	(wi) CROVENCE DECCRIPTION CRO ID NO. 3531.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3531:	50
30	GAATGCAAAA TCCATTTGTA AGGANATCGA ATGGTTTAGT ANCTCGTGCA	50
	(2) INFORMATION FOR SEQ ID NO: 3532:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 50 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3532:	
	GGTAGANCHC TGTTTAGTAC TAGGGGCCCC TCTCGGGTTA CCAATTCAGA	50
	(2) INFORMATION FOR SEQ ID NO: 3533:	30
45		
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 50 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(D) TOPOLOGI: Timear	
	(with applying programment are to volume asset	
55	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3533:	

	(2) INFORMATION FOR SEQ ID NO: 3534:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 52 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3534:	
	CGTCAACGAT GTAAAGTAAA GCCTTGTCCA GTTTAATTTA CGAGTGGCGT AA	52
15	(2) INFORMATION FOR SEQ ID NO: 3535:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3535:	
	TTAATCCAGA AGTACCGGTG GATTTAGTTA TTGACCACTC AGTTCAAGTG GATAGCTATG	60
	CAAATCCAGA AGCTCTTGAA CGTAATATGA AATTAGAATT TGAACGTAAC TATGAACGTT	120
30	ATCAGTTTTT AAATTGGGCA ACGAAAGCAT TTGATAATTA CAATGCAGTT CCTCCTGCAA	180
	CTGGAATAGT TCACCAAGTT AACTTAGAAT ATTTAGCAAG TGTTGTACAT GTTCGTGATG	240
	TAGATGGTGA AAAAACTGCA TITCCAGATA CATTAGTTGG TACTGATTCA CATACAACAA	300
35	TGATAAATGG TATTGGCGTA CTAGGATGGG GTGTTGGTGG TATTGAAGCT GAAGCTGGAA	360
	TGCTTGGACA ACCTTCTTAT TTCCCAATTC CAGAGGTTAT	400
40	(2) INFORMATION FOR SEQ ID NO: 3536:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 1118 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3536:	
50	CGTATAGAGT GTCCTACAAC CCCAACAAGC AAGCTTGTTG GTTTGGGCTC TTCCCGTTTC	60
	GCTCGCCGCT ACTAAGGGAA TCGAATTTTC TTTCTCTTCC TCCGGGTACT AAGATGTTTC	120
	AGTTCTCCGG GTGTGCCTTC TGATATGCTA TGTATTCACA TATCGATAAC ATGACATAAC	180

	GCATATCGTC	GTTAGTAACG	TCCTTCATCG	GCTTCTAGTG	CCAAGGCATC	CACCGTGCGC	300
	CCTTAATAAC	TTAATCTATG	TTTCCACCAT	TTTTATAAGT	CAAACGCTCA	CATACGGCTT	360
5	CGTTTTCATT	ATTTTAAATG	CTCATTTACA	TAAGTAAACT	CTGCTTTAAA	ATAATTTAAC	420
	TCATTGTCTG	CTAAACGTTT	TCTTTTATAA	AAAGATTTAA	ACGCGTTATT	AATCTTGTGA	480
10	GTGTTCTTTC	GAACACTAGC	GATTATTTCT	TATGAATTCA	AGCTTATTTA	AAACTCTTTA	540
, 0	TTCACTCGGT	TTTGCTTGGT	AAAATCTATA	TTTTACTTAC	TTATCTAGTT	TTCAATGTAC	600
	AATTTCTTTT	TAGTCAAGCG	CTCGCATACT	GCTTTATTTT	CAAAAAATCA	AATGCTCATT	660
15	TACAAAAGTA	AACTCCGCTT	TAATTTTTCT	TAATGCATTG	TCTAACAACC	GCTTTCTTTA	720
	AAAAGAATAG	ATTGTCAAGC	GCTCGCATAA	GCAATATCAC	TTTAACCAAA	AAATATTTGA	780
	ATGTTAAATA	AACATTCAAA	ACTGAATACA	ATATGTCACG	TTATTCCGCA	TCTTCTGAAG	840
20	AAGATGTTCC	GAATATATCC	TTAGAAAGGA	GGTGATCCAG	CCGCACCTTC	CGATACGGCT	900
	ACCTTGTTAC	GACTTCACCC	CAATCATTTG	TCCCACCTTC	GACGGCTAGC	TCCTAAAAGG	960
25	TTACTCCACC	GGCTTCGGGT	GTTACAAACT	CTCGTGGTGT	GACGGGCGGT	GTGTACAAGA	1020
25	CCCGGGaACG	TATTCACCGT	AGCATGCTGA	TCTACGaTTA	CTAGCGtTCC	AGCTTCATGT	1080
	AGTCGAGTGC	AGACTACCAT	CCGGACTGnG	GACCAACT			1118
30	(2) INFORMA	ATION FOR SE	EQ ID NO: 35	537:			
25		EQUENCE CHAP (A) LENGTH: (B) TYPE: nu (C) STRANDER (D) TOPOLOGY	424 base pa ucleic acid DNESS: doubl	airs			
35		(D) IOSODOG)	i: Illiear				

### (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3537:

GGGGATCCCC	AGCCAGAAGA	TTTATTCAGT	GCGATGATTC	GTGAAATTGA	AACGCAAGAT	60
TTCGATATCG	AACACCTGGC	GACGGCAATT	CGTAAmGTTG	AAACATCAAC	ATTAGGTGAA	120
GAAAGTGAAA	ATGACTTTAT	CGGTCTGTTC	AGCGATATGG	ATTTGAGTTC	AACGCGACTA	180
GGTAACAATG	TCAAAGAACG	TACTGCTTTA	ATCTCTAAAG	TCATGGTTAA	TCTTGACGAC	240
TTACCATTCG	TTCACAGTGA	CATGGAAATT	GATATGTTAG	GTGATGCATA	TGAATTCCTA	300
ATTGGGCGCT	TTGnGCGACA	CGGGTAAAAA	AAGCAGGCGA	GTTCTATACA	CCACAACAAG	360
TATCTAAGAT	ACTGGCGAnG	ATTGTCACAG	ACGGTAAAGA	TAAATTACGT	CACGTGTATG	420
ACCC						424

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3538:	
	ATCTCATATG TTAAAAGGTA AACAAGGTCG TTTCCGTCAA AACTTACTTG GTAAACGTGT	60
	TGACTATTCA GGACGTTCAG TTATTGCAGT AGGTCCAAGC TTGAAAATGT ACCAATGTGG	120
15	TTTACCAAAA GAAATGGCAC TTGAACTATT TAAACCATTC GTAATGAAAG AATTAGTTCA	180
	ACGTGAAATT GCAACTAACA TTAAAAATGC GAAGAGTAAA ATCGAACGTA TGGATGATGA	240
	AGTTTGGGAC GTATTGGAAG AAGTAATTAG AGAACATCCT GTATTACTTA ACCGTGCACC	300
20	AACACTTCAT AGACTTGGTA TTCAAGCATT TGAACCAACT TTAGTTGAAA GGTCGTGCGA	360
	TTCGTCTACA TCCACTTGTA ACAACAGCTT ATAACGCTGA	400
25	(2) INFORMATION FOR SEQ ID NO: 3539:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 1171 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3539:	
35	AATAAGTAAG TTATTTTGTC TGGTGACTAT AGCAAGGAGG TCACACCTGT TCCCATGCCG	60
	AACACAGAAG TTAAGCTCCT TAGCGTCGAT GGTAGTCGAA CTTACGTTCC GCTAGAGTAG	120
	AACGTTGCCA GGCAAATGAC AAATCGGAGA ATTAGCTCAG CTGGGAGAGC ATCTGCCTTA	180
40	CAAGCAGAGG GTCGGCGGTT CGAACCCGTC ATTCTCCACC ATTTATTCTT AGATATAGCC	240
	GGCCTAGCTC AATTGGTAGA GCAACTGACT TGTAATCAGT AGGTTGGGGG TTCAAGTCCT	300
45	CTGGCCGGCA CCATCTTTTG AGCCATTAGC TCAGCTGGTA GAGCATCTGA CTTTTAATCA	360
	GAGGGTCAGA GGTTCGAATC CTCTATGGCT CATTACGATT TAATTTTTAT ATTTAGCAAA	420
	ATAATGCAGA AGTAGTTCAG CGGTAGAATA CAACCTTGCC AAGGTTGGGG TCGCGGGTTC	480
50	GAATCCCGTC TTCTGCTCCA TTATTTTGCC GGGGTGGCGG AACTGGCAGA CGCACAGGAC	540
	TTAAAATCCT GCGGTGAGAG ATCACCGTAC CGGTTCGATT CCGGTCCTCG GCACCATTTT	600
	AGCGCCCGTA GCTCAATTGG ATAGAGCGTT TGACTACGGA TCAAGAGGTT ATGGGTTCGA	660
55		

	GAGCACTTGG TTTGGGACCA AGGGGTCGCA GGTTCGAATC CTGTCTTCCC GATTACTTCT	780
	TAAATTCCAT TTTATGGGGG CTTAGCTCAG CTGGGAGAGC GCCTGCTTTG CACGCAGGAG	840
5	GTCAGCGGTT CGATCCCGCT AGTCTCCACC ATTTATTTTT TACACGATGA ACATTGAAAA	900
	CTGAATGACA ATATGTCAAC GTTAATTCCA AAAAACGTAA CTATAAGTTA CAAACATTAT	960
10	TTAGTATTTA TGAGCTAATC AAACATCATA ATTTTTATGG AGAGTTTGAT CCTGGCTCAG	1020
,,,	GATGAACGCT GGCGGCGTGC CTAATACATG CAAGTCGAGC GAACGGACGA GAAGCTTGCT	1080
	TCTCTGaTGT TAGCGGCGGA CGGGTGAGTA ACACGTGGGA TAACCTACCT ATAAGACTGG	1140
15	GaTAACTTCG GGAAACCGGA GCTAATACCG G	1171
	(2) INFORMATION FOR SEQ ID NO: 3540:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 601 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3540:	
	CTCGGCAGTG TGAAATCAAC GACTCGAAGA CACAATGTCT TCTCCCCATC ACAGCTCAGC	60
30	CTTAACGAGT ACCGGATTTG CCTAATACTC AGCCTTACTG CTTAGACGTG CAATCCAATC	120
	GCACGCTTCG CCTATCCTAC TGCGTCCCCC CATCGATTAA AACGATTATA GGTGGTACAG	180
	GAATATCAAC CTGTTATCCA TCGCCTACGC CTGTCGGCCT CAGCTTAGGA CCCGACTAAC	240
35	CCAGAGCGGA CGAGCCTTCC TCTGGAAACC TTAGTCAATC GGTGGACGGG ATTCTCACCC	300
	GTCTTTCGCT ACTCACACCG GCATTCTCAC LTCTAAGCGC TCCACATGTC CTTACGATCA	360
	TGCTTCAACG CCCTTAGAAC GCTCTCCTAC CATTGTCCAA AGGCATwCrC ACAGCTTCGG	420
40	TAATATGTTT AGCCCCGGTA CATTTTCGGC GCAGTGTCAC TCGACTAGTG AGCTATTACG	480
	CACTCTTTAA ATGATGGCTG CTTCTnAGCC AACATCCTAG GTTGGTCTGG GGCACGCnAC	540
45	ATCCTTTTCC ACTTAACATA TATTTTGGGG ACCTTGGCTG GTGGGTCTGG GGCTGnTTCC	600
45	С	601
	(2) INFORMATION FOR SEQ ID NO: 3541:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 1311 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3541:

5	GCnAGGACCT	TnCCAAATTT	GAAATCCTTT	GACCACnTTT	GGGGTAGAGC	CCTTTCCCnC	60
J	GGGGACAAAG	TGACCAGGTG	GTGCATGGTT	GTCGTCAGCT	CGTGTCGTGA	GATGTTGGGT	120
	TAAGTCCCCG	CAACGAGCGC	AACCCTTAAG	CTTAGTTGCC	ATCATTAAGT	TGGGCACTCT	180
10	AAGTTGACTG	CCGGTGACAA	ACCGGAGGAA	GGTGGGGATG	ACGTCAAATC	ATCATGCCCC	240
	TTATGATTTG	GGCTACACAC	GTGCTACAAT	GGACAATACA	AAGGGCAGCG	AAACCGTGAG	300
	nTCAAGCAAA	TCCCATAAAG	TTGTTCTCAG	TTCGGATTGT	AGTCTGCAAC	TCGACTACAT	360
15	GAAGCTGGAA	TCGCTAGTAA	TCGTAGATCA	GCATGCTACG	GTGAATACGT	TCCCGGGTCT	420
	TGTACACACC	GCCCGTCACA	CCACGAGAGT	TTGTAACACC	CGAAGCCGGT	GGAGTAACCT	480
	TTTAGGAGCT	AGCCGTCGAA	GGTGGGACAA	ATGATTGGGG	TGAAGTCGTA	ACAAGGTAGC	540
20	CGTATCGGAA	GGTGCGGCTG	GATCACCTCC	TTTCTAAGGA	TATATTCGGA	ACATCTTCTT	600
	CAGAAGATGC	GGAATAACGT	GACATATTGT	ATTCAGTTTT	GAATGTTTGT	TCATTCAAAT	660
25	TAATGGGCCT	ATAGCTCAGC	TGGTTAGAGC	GCACGCCTGA	TAAGCGTGAG	GTCGGTGGTT	720
	CGAGTCCACT	TAGGCCCACC	ATTAATTTAA	TACCTATTTG	GGGGCTTAGC	TCAGCTGGGA	780
	GAGCGCCTGC	TTTGCACGCA	GGAGGTCAGC	GGTTCGATCC	CGCTAGTCTC	CACCATTATT	840
30	TGTACATTGA	AAACTAGATA	AGTAAGTAAA	ATATAGATTT	TACCAAGCAA	AACCGAGTGA	900
	ATAAAGAGTT	TTAAATAAGC	TTGAATTCAT	AAGAAATAAT	CGCTAGTGTT	CGAAAGAACA	960
	CTCACAAGAT	TAATAACGCG	TTTAAATCTT	TTTATAAAAG	AACGTAACTT	CATGTTAACG	1020
35	TTTGACTTAT	AAAAATGGTG	GAAACATAGA	TTAAGTTATT	AAGGGCGCAC	GGTGGATGCC	1080
	TTGGCACTAG	AAGCCGATGA	AGGACGTTAC	TAACGACGAT	ATGCTTTGGG	GAGCTGTAAG	1140
	TAAGCTTTGA	TCCAGAGATT	TCCGAATGGG	GAAACCCAGC	ATGAGTTATG	TCATGTTATC	1200
40	GATATGTGAA	TACATAGCAT	ATCAGAAGGC	ACACCCGGAG	AACTGAAACA	TCTTAGTACC	1260
	CGGAGGAAGA	GAAAGAAAAT	TCGATTCCCT	TAGTAGCGGC	GAGCGAAATG	G	1311

(2) INFORMATION FOR SEQ ID NO: 3542:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 400 base pairs

(B) TYPE: nucleic acid

(C) STRANDEDNESS: double

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3542:

55

45

	CGCTAGAGTA GAACGTTGCC AGGCAAATGA CAAATCGGAG AATTAGCTCA GCTGGGAGAG	120
	CATCTGCCTT ACAAGCAGAG GGTCGGCGGT TCGAACCCGT CATTCTCCAC CATTTATTCT	180
5	TAGATATAGC CGGCCTAGCT CAATTGGTAG AGCAACTGAC TTGTAATCAG TAGGTTGGGG	240
	GTTCAAGTCC TCTGGCCGGC ACCATCTTTT GAGCCATTAG CTCAGCTGGT AGAGCATCTG	300
	ACTTTTAATC AGAGGGTCAG AGGTTCGAAT CCTCTATGGC TCATTACGAT TTAATTTTTA	360
10	TATTTAGCAA AATAATGCAG AAGTAGTTCA GCGGTAGAAT	400
	(2) INFORMATION FOR SEQ ID NO: 3543:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 804 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3543:	6.0
25	GTGAGAGTGA CGTTATGTTA TGTAAATAAC AGTTAATTAT ACCGGTGGTC GGGGTCGAAC	60
	CGCACTCCAC AAGTGGAAGA GATTTTGAGT CCCGCGCGTC TGCCAATTCC GCCACACCGG	120
	CTTAATGGTA AACAAAAAC TICCCTTTGG AAGCAATTAT GGAGCGGAAG ATAGGATTTA	180
30	CACCTATACC TCGTTCCGGG aAGGAACtGg TTcTAAAAGT TGAACTACTC CCGCAAATAT	240
	TAAATTATGG AGCGGAAGAT AGGATTTACA CCTATACCTC ATTCCAGGAA GGAATGTATT	300
	CTAAGAGTTG AAATACTCCC GCATTATTAT TAAATTATGG AGCGGAAGAT AGGATTTGCA	360
35	CCTATACCTC GTTCCGGGAA GGACKTGTTt CTAAAAGTTG AACTACTCCC GCATAAACCT	420
	GGAGGCGGCA ACCGGATTTG AACCGGTGAT AAAGGTTTTG CAGACCTCTG CCTTACCACT	480
	TGGCTATGCG CCAATAACTG GGCTAGCTGG ATTCGAACCA ACGAGTGACG GATMAAAGTC	540
10	CGTTGCCTTA CCGCTTGGCT ATAGCCCATT AATAATAAGG GCGGCTGAAG GGGATCGAAC	600
	CCTCGAATGT CGGAACCACA ATCCGATGTG TTAACCACTT CACCACAGCC GCCATGGCAG	660
<b>4</b> 5	GGGCAGTAGG AATCGAACCC ACACCAAAGT TTTGGaGACC TCTATTCTAC CGTTGAACTA	720
•0	TGCCCCTATT AAAAATAATA ATKGGAGGGG GGCAGATTCG AANTGCCGAA CCCGAAGGAG	780
	CGGGATTTAC ATTCCGCCGG GTTT	804
50	(2) INFORMATION FOR SEQ ID NO: 3544:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3544:	
	ATGATGTCGT TGCACAATCA ATTGATAAAT TACATTATAG CTTTAATCGT TTGAAGTATA	60
5	GTTTGAAACC AGTAGTCACA GCTGTTCAAG GTCGTGCCTT AGGCGGTGGC TGTGAGCTTG	120
	TACTTTACTC ACCTATTGTT GTCGCTGCAA GTGAAACATA TATCGGTCTT GTTGAAGCAG	180
10	GTGTTGGCTT ATTACCGAGT GGCGGTGGCC TTGCAGAAAT GGCTGATCGC ATATTACGCA	240
	CATCGCATAA GTTTGATKAC AAACAAGCTT CCATGACAAA AGTACTGACG AATATCGCAT	300
	TTGCGAAAGT CTCTACAAAT GCCTTTGAGG CACGTCGTTA TGGTTATTTA CGTGGATACA	360
15	GATACGATTA TTTTCAATAC AGCACAACGT GTCCGAAGTT	400
	(2) INFORMATION FOR SEQ ID NO: 3545:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 474 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
?5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3545:	
	CCGGCATTCT CACTTCTAAG CGCTCCACAT GTCCTTACGA TCATGCTTCA ACGCCCTTAG	60
30	AACGCTCTCC TACCATTGTC CAAAGGNATC nCACAGCTTC GGTAATATGT TTAGCCCCGG	120
	TACATTTTCG GCGCAGTGTC ACTCGACTAG TGAGCTATTA CGCACTCTTT AAATGATGGC	180
	TGCTTCTAAG CCAACATCCT AGTTGTCTGG GCAACGCACA TCCTTTTCCA CTTAACATAT	240
35	ATTTTGGGAC CTTAGCTGGT GGTCTGGGCT GTTTCCCTTT CGAACACGGA CCTTATCACC	300
	CATGTTCTGA CTCCCAAGTT AAATTAATTG GCATTCGGAG TTTGTCTGAA TTCGGTAACC	360
	CGAGAGGGGC CCCTCGTCCA AACAGTGGCT CTACCTCCAA TAATCATCAn TTGAGGCTAG	420
10	CCCTAAAGCT AATTCGGAGA GAACCAGTAT CTCCAGTTCG ATTGGAATTC TnCG	474
	(2) INFORMATION FOR SEQ ID NO: 3546:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3546:	

	GCAATTCGTA AAGTTGAAAC ATCAACATTA GGTGAAGAAA GTGAAAATGA CTTTATCGGT	120
	CTGTTCAGCG ATATGGATTT GAGTTCAACG CGACTAGGTA ACAATGTCAA AGAACGTACT	180
5	GCTTTAATCT CTAAAGTCAT GGTTAATCTT GACGACTTAC CATTCGTTCA CAGTGACATG	240
	GAAATTGATA TGTTAGGTGA TGCATATGAA TTCCTAATTG GGCGCTTTGn GCGACACGGG	300
10	TAAAAAAAGC AGGCGAGTTC TATACACCAC AACAAGTATC TAAGATACTG GCGAGATTGT	360
10	CACAGACGGT AAAGATAAnT ACGTCACGTG TATGACCCAA	400
	(2) INFORMATION FOR SEQ ID NO: 3547:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3547:	
	AACGTTTTCA CTTCGCCAAG CCATTTTCT TTGTGTTTAC TTTTTATTTT GACGTTTTAG	60
25	ACATAAAAAA AAGAGACCTT GCGGTCTCAA TGCGGCTCAT CGCATCCATT TTTTGCCTGG	120
	CAACGTTCTA CTCTAGCGGA ACGTAAGTTG GCTACCATCG ACGCTAAGAA CCTTTCTTGA	180
30	CTTGTGACAA TCGCTTGCTT CTTTCCTCTT CTTCGGCTCT CGCTTACTCA TTTAGCTCTA	240
	CTAAACTCGT TGCGCTCTTT TCTCGTTTCG TCAGATTCAA ACGTTTTCAC TTCGCCAAGC	300
	CATTTTCTT TGTGTTTGCT TTTTATTTTG ACGTTTTAGA CATAAAAAA AGAGACCTTG	360
35	CGGTCTCAAT GCGGCTCATC GCATCCAnTT TTTGCCTGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3548:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(wi) CROUENCE DECERTORION, CEO ID NO. 3540.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3548:	60
	ATGATGTCGT TGCACAATCA ATTGATAAAT TACATTATAG CTTTAATCGT TTGAAGTATA	120
50	GTTTGAAACC AGTAGTCACA GCTGTTCAAG GTCGTGCCTT AGGCGGTGGC TGTGAGCTTG  TACTTTACTC ACCTATTGTT GTCGCTGCAA GTGAAACATA TATCGGTCTT GTTGAAGCAG	180
		240
	GTGTTGGCTT ATTACCGAGT GGCGGTGGCC TTGCAGAAAT GGCTGATCGC ATATTACGCA	44 U

	TTGCAAAGTC TCTACAAATG CCTTTGAGGC ACGTCGTTAT GGTTATTTAC GTGATACAGA	360
	TACGATTATT TTCAATACAG CACAACGTGT CCGAAGTTGG	400
5	(2) INFORMATION FOR SEQ ID NO: 3549:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3549:	
	AGGTTACTCC ACCGGCTTCG GGTGTTACAA ACTCTCGTGG TGTGACGGGC GGTGTGTACA	60
	AGACCCGGGA ACGTATTCAC CGTAGCATGC TGATCTACGA TTACTAGCGA TTCCAGCTTC	120
20	ATGTAGTCGA GTTGCAGACT ACAATCCGAA CTGAGAACAA CTTTATGGGA TTTGCTTGAC	180
	CTCGCGGTTT CGCTGCCCTT TGTATTGTCC ATTGTAGCAC GTGTGTAGCC CAAATCATAA	240
	GGGGCATGAT GATTTGACGT CATCCCCACC TTCCTCCGGT TTGTCACCGG CAGTCAACTT	300
25	AGAGTGCCCA ACTTAATGAT GGCAACTAAG CTTAAGGGTT GCGCTCGTTG CGGGACTTAA	360
	CCCAACATCT CACGACACGA GCTGACGACA ACCATGCACC	400
30	(2) INFORMATION FOR SEQ ID NO: 3550:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3550:	
40	CGAACGGACG AGAAGCTTGC TTCTCTGATG TTAGCGGCGG ACGGGTGAGT AACACGTGGA	60
	TAACCTACCT ATAAGACTGG GATAACTTCG GGAAACCGGA GCTAATACCG GATAATATTT	120
	TGAACCGCAT GGTTCAAAAG TGAAAGACGG TCTTGCTGTC ACTTATAGAT GGATCCGCGC	180
45	TGCATTAGCT AGTTGGTAAG GTAACGGCTT ACCAAGGCAA CGATGCATAG CCGACCTGAG	240
	AGGGTGATCG GCCACACTGG AACTGAGACA CGGTCCAGAC TCCTACGGGA GGCAGCAGTA	300
50	GGGAATCTTC CGCAATGGGC GAAACCTGAC GGAGCAACGC CGCGTGAGTG ATGAAGGTCT	360
	TCGGATCGTA AAACTCTGTT ATTAGGGAAG AACATATGTG	400
	(2) INFORMATION FOR SEQ ID NO: 3551:	

5	<ul><li>(A) LENGTH: 506 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3551:	
10	ACAAGGTAGC CGTATCGGAA GGTGCGGCTG GATCACCTCC TTTCTAAGGA TATATTCGGA	60
	ACATCTTCTT CAGAAGATGC GGAATAACGT GACATATTGT ATTCAGTTTT GAATGTTTAT	120
	TTAACATTCA AATATTTTTT GGTTAAAGTG ATATTGCTTA TGCGAGCGCT TGACAATCTA	180
15	TTCTTTTTAA AGAAAGCGGT TGTTAGACAA TGCATTAAGA AAAATTAAAG CGGAGTTTAC	240
	TTTTGTAAAT GAGCATTTGA TTTTTTGAAA ATAAAGCAGT ATGCGAGCGC TTGACTAAAA	300
	AGAAATTGTA CATTGAAAAC TAGATAAGTA AGTAAAATAT AGATTTTACC AAGCAAAACC	360
20	GAGTGAATAA AGAGTTTTAA ATAAGCTTGA ATTCATAAGA aTAATCGCTA GTGTTCGAAA	420
	GAACACTCAC AAGATTAATA ACGCGTTTAA ATCTTTTTAT AAAAGANAAC GTTTAGCAGA	480
25	CAATGAGTTA AATTATTTTA AAGCAG	506
	(2) INFORMATION FOR SEQ ID NO: 3552:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 2209 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3552:	
	AAGCTGAGGC CGACAGTGGN GCGATGGATA ACAGGTTGAT ATTCCTGTAC CACCTATAAT	60
	CGTTTTAATC GATGGGGGA CGCATAGGAT AGGCGACGTG TCGATTGGAT TGCACGTCTA	120
40	AGCAGTAAGG CTGAGTATTA GGCAAATCCG GTACTCGTTA AGGCTGAGCT GTGATGGGGA	180
	GAAGACATTG TGTCTTCGAG GTCGTTGATT TCACACTGCC GAGAAAAGCC TCTAGATAGA	240
45	AAATAGGTGC CCGTACCGCA AACCGACACA GGTAGTCAAG ATGAGAATTC TAAGGTGAGC	300
	GAGCGAACTC TCGTTAAGGA ACTCGGCAAA ATGACCCCGT AACTTCGGGA GAAGGGGTGC	360
	TCTTTAGGGT TAACGCCCAG AAGAGCCGCA GTGAATAGGC CCAAGCGACT GTTTATCAAA	420
50	AACACAGGTC TCTGCTAAAC CGTAAGtGAn TGTATAGGGG CTGACGCCTG CCCGGTGCTG	480
	GAAGGTTAAG AGGAGTGGTT AGCTTCTGCG AACTACGAAT CGAAGCCCCA GTAAACGGCG	540
	GCCGTAACTA TAACGGTCCT AAGGTAGCGA AATTCCTTGT CGGGTAAGTT CCGACCCGCA	600

	GTGAAGATGC	AGGTTACCCG	CGACAGGACG	GAAAGACCCC	GTGGAGCTTT	ACTGTAGCCT	72(
5	GATATTGAAA	TTCGGCACAG	CTTGTACAGG	ATAGGTAGGA	GCCTTTGAAA	CGTGAGCGCT	780
	AcTTaCgTGG	aGGCGCTGGT	GGGATACTAC	CCTAGCTGTG	TTGGCTTTCT	AACCCGCACC	840
	ACTTATCGTG	GTGGGAGACA	GTGTCAGGCG	GGCAGTTTGA	CTGGGGCGGT	CGCCTCCTAA	900
10	AAGGTAACGG	AGGCGCTCAA	AGGTTCCCTC	AGAATGGTTG	GAAATCATTC	ATAGAGTGTA	960
	AAGGCATAAG	GGAGCTTGAC	TGCGAGACCT	ACAAGTCGAG	CAGGGTCGAA	AGACGGACTT	1020
	AGTGATCCGG	TGGTTCCGCA	TGGAAGGGCC	ATCGCTCAAC	GGATAAAAGC	TACCCCGGGG	1080
15	ATAACAGGCT	TATCTCCCCC	AAGAGTTCAC	ATCGACGGGG	AGGTTTGGCA	CCTCGATGTC	1140
	GGCTCATCGC	ATCCTGGGGC	TGTAGTCGGT	CCCAAGGGTT	GGGCTGTTCG	CCCATTAAAG	1200
	CGGTACrmGg	CTGGGTTCAG	AACGTCGTGA	GaCAGTTCGG	TCCCTATCCG	TCGTGGGCGT	1260
20	AGGAAATTTG	AGAGGAGCTG	TCCTTAGTAC	GAGAGGACCG	GGATGGACAT	ACCTCTGGTG	1320
	TACCAGTTGT	CGTGCCAACG	cATnAGCTGG	GTAGCTATGT	GTGGACGGGA	TAAGTGCTGA	1380
25	AAcATnCTnA	AGCATGAAGC	CCCCCTCAAG	ATGAGATTTC	CCAACTTCGG	TTATAAGATC	1440
?5	CCTCAAAGAT	GATGAGGTTA	ATAGGTTCGA	GGTGGAAGCA	TGGTGACATG	TgGGAGCTGA	1500
	CGAATACTAA	TCGATCGAAG	ACTTAATCAA	AATAAATGTT	TTGCGACAAA	tnCaCTTTTA	1560
30	CTTACTATCT	AGTTTTGAAT	GTATAAATTA	CATTCATATG	TCTGGTGACT	ATAGCAAGGA	1620
	GGTCACACCT	GTTCCCATGC	CGAACACAGA	AGTTAAGCTC	CTTAGCGTCG	ATGGTAGTCG	1680
	AACTTACGTT	CCGCTAGAGT	AGAACGTTGC	CAGGCAGTTT	TTTAATCAAA	TTTTGGTTAA	1740
35	TAAAATAAAAT	GGACAAGATA	AAAAAAGTTA	TTGACTTAAA	TGTTAATAAA	ATGTATAATT	1800
	AATTCTTGTC	GGTAAGAAAA	ATGAACATTG	AAAACTGAAT	GACAATATGT	CAACGTTAAT	1860
	TCCAAAAAAC	GTAACTATAA	GTTACAAACA	TTATTTAGTA	TTTATGAGCT	AATCAAACAT	1920
10	CATAATTTTT	ATGGAGAGTT	TGATCCTGGC	TCAGGATGAA	CGCTGGCGGC	GTGCCTAATA	1980
	CATGCAAGTC	GAGCGAACGG	ACGAGAAGCT	TGCTTCTCTG	ATGTTAGCGG	CGGACGGGTG	2040
	AGTAACACGT	GGATAACCTA	CCTATAAGAC	TGGGATAACT	TCGGGAAACC	GGAGCTAATA	2100
15	CCGGATAATA	TTTTGAACCG	CATGGTTCAA	AAGTGAAAGA	CGGTCTTGCT	GTCACTTATA	2160
	GATGGATCCg	CGCTGCATTA	GCTAGTTGGt	AAGGtAACGG	CTTTACCCA		2209

50

(2) INFORMATION FOR SEQ ID NO: 3553:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 518 base pairs
 (B) TYPE: nucleic acid

- (C) STRANDEDNESS: double

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3553:	
5	CTAGATAAGT AAGTAAAATA TAGATTTTAC CAAGCAAAAC CGAGTGAATA AAGAGTTTTA	60
	AATAAGCTTG AATTCATAAG AAATAATCGC TAGTGTTCGA AAGAACACTC ACAAGATTAA	120
	TAACGCGTTT CCTGTAGGAT GGAAACATAG ATTAAGTTAT TAAGGGCGCA CGGTGGATGC	180
10	CTTGGCACTA GAAGCCGATG AAGGACGTTA CTAACGACGA TATGCTTTGG GGAGCTGTAA	240
	GTAAGCTTTG ATCCAGAGAT TTCCGAATGG GGAAACCCAG CATGAGTTAT GTCATGTTAT	300
15	CGATATGTGA ATACATAGCA TATCAGAAGG CACACCCGGA GAACTGAAAC ATCTTAGTAC	360
	CCGGAGGAAG AGAAAGAAAA TTCGATTCCC TTAGTAGCGG CGAGCGAAAC GGGAAGAGCC	420
	CAAACCAACA AGCTTGCTTG TTGGGGTTGT AGGaCACTCT ATACGGAGTT ACAAAGGmCG	480
20	ACATTrGACG AATCATCTGG gAAAGwTGaT CCAAGGAA	518
	(2) INFORMATION FOR SEQ ID NO: 3554:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 587 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3554:	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3554:  AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG	60
		60 120
35	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG	
	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTsGAC	120
	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTsGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT	120 180
35	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTsGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA	120 180 240
35	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTsGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GATTAAGTCT TCGATCGATT AGTATTCGTC	120 180 240 300
35	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTsGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GATTAAGTCT TCGATCGATT AGTATTCGTC AGCTCCACAT GTCACCATGC TTCCACCTCG AACCTATTAA CCTCATCATC TTTGAGGGAT	120 180 240 300 360
35 40	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTSGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GATTAAGTCT TCGATCGATT AGTATTCGTC AGCTCCACAT GTCACCATGC TTCCACCTCG AACCTATTAA CCTCATCATC TTTGAGGGAT CTTATAACCG AAGTTGGGAA ATCTCATCTT GAGGGGGCT TCATGCTTAG ATGCTTTCAG	120 180 240 300 360 420
35 40	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTSGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GATTAAGTCT TCGATCGATT AGTATTCGTC AGCTCCACAT GTCACCATGC TTCCACCTCG AACCTATTAA CCTCATCATC TTTGAGGGAT CTTATAACCG AAGTTGGGAA ATCTCATCTT GAGGGGGCT TCATGCTTAG ATGCTTTCAG CACTTALCCC GTCCACACAT AGCTACCCAG CTATGCCGTT GGCACGACAA CTGGTACACC	120 180 240 300 360 420 480
35 40	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTSGAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT GTGACCTCCT TGCTATAGTC ACCAGACATA TGAATGTAAT TTATACATTC AAAACTAGAT AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GATTAAGTCT TCGATCGATT AGTATTCGTC AGCTCCACAT GTCACCATGC TTCCACCTCG AACCTATTAA CCTCATCATC TTTGAGGGAT CTTATAACCG AAGTTGGGAA ATCTCATCTT GAGGGGGCT TCATGCTTAG ATGCTTTCAG CACTTALCCC GTCCACACAT AGCTACCCAG CTATGCCGTT GGCACGACAA CTGGTACACC AGAGGTATGT CCATCCCGGT CCTCTCGTAC TAAGGACAGC TCCTCTCAAA TTTCCTACGC	120 180 240 300 360 420 480 540

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3555:	
	GAATCTGAAT CGCTATCTGA ATCCGAGTCA CTGTCGGAAT CTGAGTCACT GTCGGAATCT	60
10	GAATCGCTAT CTGAATCTGA ATCGCTGTCT GAATCTGAAT CGCTGTCTGA ATCTGAGTCG	120
	CTATCTGAGT CGGAATCGCT ATCTGAGTCG GAATCACTGT CGGAATCTGA ATCGCTGTCT	180
	GAGTCGGAAT CACTGTCGGA GTCAGAATCG CTGTCTGAGT CGGAATCACT GTCGGAATCT	240
15	GAATCGCTAT CTGAATCTGA ATCGCTATCT GAATCCGAGT CACTGTCTGA GTCAGAATCG	300
	CTATCTGGAA TCTGGAGTCA CTGTCGGAAT CTGAGTCACT GGTCTGGAGT CAGAATCGCT	360
20	ATCTGGAATC CGANGTCATG GTCTGAGTCG GGAATCGCT	399
	(2) INFORMATION FOR SEQ ID NO: 3556:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3556:	
	ATTCATCTTT CCAGATGATT CGTCTAATGT CGTCCTTTGT AACTCCGTAT AGAGTGTCCT	60
35	ACAACCCCAA CAAGCAAGCT TGTTGGTTTG GGCTCTTCCC GTTTCGCTCG CCGCTACTAA	120
33	GGGAATCGAA TTTTCTTTCT CTTCCTCCGG GTACTAAGAT GTTTCAGTTC TCCGGGTGTG	180
	CCTTCTGATA TGCTATGTAT TCACATATCG ATAACATGAC ATAACTCATG CTGGGTTTCC	240
40	CCATTCGGAA ATCTCTGGAT CAAAGCTTAC TTACAGCTCC CCAAAGCATA TCGTCGTTAG	300
	TAACGTCCTT CATCGGCTTC TAGTGCCAAG GCATCCACCG TGCGCCCTTA ATAACTTAAT	360
	CTATGTTTCC ATCCTACAGG AAACGCGTTA TTAATCTTGT	400
<b>4</b> 5	(2) INFORMATION FOR SEQ ID NO: 3557:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 657 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3557:

	ACAACTGGTA CACCAGAGGT ATGTCCATCC CGGTCCTCTC GTACTAAGGA CAGCTCCTCT	120
5	CAAATTTCCT ACGCCCACGA CGGATAGGGA CCGAACTGTC TCACGACGTT CTGAACCCAG	180
3	CTCGCGTACC GCTTTAATGG GCGAACAGCA ANCCCTTGGG ACCGACTACA GCCCCAGGAT	240
	GCGATGAGCC GACATCGAGG TGCCAAACCT CCCCGTCGAT GTGAACTCTT GGGGGAGATA	300
10	AGCCTGTTAT CCCCGGGGTA GCTTTTATCC GTTGAGCGAT GGCCCTTCCA TGCGGAACCA	360
	CCGGATCACT AAGTCCGTCT TTCGACCCTG CTCGACTTGT AGGTCTCGCA GTCAAGCTCC	420
	CTTATGCCTT TACACTCTAT GAATGATTTC CAACCATTCT GAGGGAACLT TGAGCGCCTC	480
15	CGTTACCTTT TAGGAGGCGA CCGCCCCAGT CAAACTGCCc GCcTGACACT GTCTACcmCC	540
	ACGATAAGTG GTGCGGGTTm GMAAGCCAAC ACAGCTAGGG TAGTATCCCA CCAGCGCCTn	600
	CCCACTAATA GCGCTCACGT TTCAAAGGCT CCTACCTATC CTGTACAAGC TGTGCCG	657
20	(2) INFORMATION FOR SEQ ID NO: 3558:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3558:	
	GAGTCCATGG GTGAAAGAAG CATCTGCAGC AACTGTAGCA GGTATTGCTG GAACTAATAA	60
	TGGTATTACT GTTGCAGCAG GTACTTTCAA CCCTGCTGAT ACAATTCAAG TTGTTGCAAC	120
35	GCAAGGACAG CGGAGAGACA GTGAGTGATG AGCAACGTAT nnTnGATTTC ACAGTTGTCG	180
	CACCACAACC GAACCAAGCG ACTACTAAGA TTTGGCAAAA TGGTCATATT GATATCACGC	240
40	CTAATAATCC ATCAGGACAT TTAATTAATC CAACTCAAGC AATGGATATT GCTTACACTG	300
40	AAAAAGTGGG TAATGGTGCA GAACATAGTA AGACAATTAA TGTTGTTCGT GGTCAAAATA	360
	ATCAATGGAC AATTGCGAAT AAGCCTGACT ATGTAACGTT	400
45	ATCAATGGAC AATTGCGAAT AAGCCTGACT ATGTAACGTT  (2) INFORMATION FOR SEQ ID NO: 3559:	400

2585

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3559:

	CGACACAAAA CAAGCCAAGC AAAACAAACG CATATAACGT AACAACACAT GGAAACGGCC	120
	AAGTATCATA TGGCGCTCGC CAACACAAAA CAAGCCAAGC	180
5	AACAACACAT GCAAACGGTC AAGTGTCATA CGGAGCTCGC CCGACATACA AGAAGCCAAG	240
	TAAAACAAAT GCATACAATG TAACAACACA TGCAGATGGT ACTGCGACAT ATGGGCCTAG	300
10	AGTAACAAAA TAAGTTTGTA ACTCTATCCA AAGACATACA GTCAATACAA AACATTACGT	360
. 0	ATCTTTACAA CAGTAATCAT GCATTCTATG ATGCTTCTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3560:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 485 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3560:	
25	TTTAGGTTAT ACAGCATTGC AGGCAGGATA CTTATCAATT ACTTATTTAA TCATGGTGTT	60
	ATTGATGATT CGAGTTGGTG AAAAATTATT ACAAAAAATG GGTTCTAAGC GACCAATGTT	120
	ATTAGGTACA TTCATTGTGG TCATTGGTAT TGCACTTATT TCATTAGTAT TCTTACCAGG	180
30	CATATTTTAT GTTATCAGTT GTGTCGTAGG ATATTTATGT TTCGGACTAG GCTTAGGTAT	240
	TTATGCAACA CCTTCTACAG ATACAGCTAT TTCGAATGCA CCGTTAGATA AAGTTGGCGT	300
	TGCTTCAGGT ATTTATAAAA TGGCTTCATC ACTTGGTGGG CGCATTCGGT GTCGCAATTA	360
35	GTGGTGCTGT ATATGCTGGT GCAGTTGCTG CAACGAGCAT TCCATACAGG TGCGATGATT	420
	GCACTTTGGG TTAACGTATT GAATGGGGAA TCCATGGCCA TTTATCGCAA TTTTAATnCG	480
	CGATT	485
40	(2) INFORMATION FOR SEQ ID NO: 3561:	
<b>1</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 463 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3561:	
	AAATTATGTG AAGTAAAAGG AGTACGTCCA TGCAAAATTT AGATAAGAAT TTTCGACaTT	60
	TATCHCGTAA AGAAAAGTTA CAACAATTGG TTGATAAGCA ATGGTTATCA GAAGAACAAT	120

	ATGTCATCGC GCAAGGTGCA TTACCCGTTG GATTATTACC GAATATCATT GTGGACGATA	240
_	AGGCATATGT TGTACCTATG ATGGTGGAAG AGCCTTCAGT TGTCGCTGCA GCTAGTTATG	300
5	GTGCAAAGCT AGTGAATCAG ACTGGCGGAT TTAAAACGGT ATCTTCTGAA CGTATTATGA	360
	TAGGTCAAAT CGTCTTTGAT GGCGTTGACG ATACTGAAAA ATTATCAGCA GACATTAAAG	420
10	CTTTAGAAAA GCAAATTCAT AAAATTGCGG ATGAGGCATA TCC	463
	(2) INFORMATION FOR SEQ ID NO: 3562:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 643 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3562:	
	AATTTAAACC CAATTGTCTG GCAAAACGTT TTCCTTTATA AAAAGATTTA AACGCGTTAA	60
	TTAATCTTGG TGCnGGTCTT TCGAACACTA GCGATTATTT CTTATGAATT CAAGCTTATT	120
25	TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA TATTTTACTT ACTTATCTAG	180
	TTTTCAATGT ACAATTTCTT TTTAGTCAAG CGCTCGCATA CTGCTTTATT TTCAAAAAAT	240
30	CAAATGCTCA TTTACAAAAG TAAACTCCGC TTTAATTTTT CTTAATGCAT TGTCTAACAA	300
	CCGCTTTCTT TAAAAAGAAT AGATTGTCAA GCGCTCGCAT AAGCAATATC ACTTTAACCA	360
	AAAAATATTT GAATGTTAAA TAAACATTCA AAACTGAATA CAATATGTCA CGTTATTCCg	420
35	CATCTTCTGA AGAAGATGTT CCGAATATAT CCTTAGAAAG GAGGTGATCC AGCCGCACCT	480
	TCCGATACGG CTACCTTGLT ACGACTTCAC CCCAATCATT TGTCCCACCT TCGACGGCTA	540
	GCTCCTAAAA GGTTACTCCA CCGGCTTCGG GTGTTACAAA CTCTCGTGGT GTGACGGGCG	600
40	GTGTGTACAA GACCCGGGAA CGTATTCACC GTAGCATGCC TCG	643
	(2) INFORMATION FOR SEQ ID NO: 3563:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3563:	
	GATAAATCCA AATAGTGCAC TATAAAAAAT AATATCTACT AAAGTATCTT TATGTAATCC	60

	TTCCATACCA TCGTACACTC AGTGGTCCTA AGTTAAATGC CACAGGATCT ATATAGTTAA	180
	ATACANTACC CATTCAACCT ACTCCTCACT CTTATGACTG TTCTTGATAA TTTCTTCATT	240
5	TAATCTTTCA CTAAATTCTT CGGCCGTGTT AATGCCCATG ATATTTAATC GATAGTTCAT	300
	TGCAGCGACC TCAATAATTA CCGCAACATT TCTACCAGGT CTTACAGGTA TTGGTTTTTT	360
10	TTAGTGGnTT TCAGTATCTA AAATACTTAG CGTCTCTTCA	400
10	(2) INFORMATION FOR SEQ ID NO: 3564:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3564:	
	TCGTCAGCnC nTGTCGTGAG ACGTTGGGTT AAGTCCCGCA ACGAGCGCAA CCCTTAAGCT	60
	TAGTTGCCAT CATTAAGTTG GGCACTCTAA GTTGACTGCC GGTGACAAAC CGGAGGAAGG	120
25	TGGGGATGAC GTCAAATCAT CATGCCCCTT ATGATTTGGG CTACACACGT GCTACAATGG	180
	ACAATACAAA GGGCAGCGAA ACCGCGANGT CAAGCAAATC CCATAAAGTT GTTCTCAGTT	240
30	CGGATTGTAG TCTGCAACTC GACTACATGA AGCTGGAATC GCTAGTAATC GTAGATCAGC	300
30	ATGCTACGGT GAATACGTTC CCGGGTCTTG TACACACCGC CCGTCACACC ACGAGAGTTT	360
	GTAACACCCG AAGCCGGTGG AGTAACTTTT AGGAGCTAGC	400
35	(2) INFORMATION FOR SEQ ID NO: 3565:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
40	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3565:	
45	CAAACCATTT GTAGCTATTT GTAACTCTTA TATTGATATT GTTCCTGGAC ATGTTCACTT	60
	GAGAGAGCTT GCAGATATAG CTAAAGAAGC AATTAGAGAA GCCGGTGCCA TTCCATTTGA	120
50	ATTCAATACA ATTGGTGTTG ATGATGGAAT AGCTATGGGA CATATCGGAA TGCGATATTC	180
50	TCTACCATCA CGTGAAATTA TTGCAGATGC AGCTGAAACT GTAATTAACG CTCATTGGTT	240
	TGACGGCGTA TTTTACATTC CTAATTGTGA CAAGATTACA CCCGGTATGA TTTTAGCAGC	300

	TGCACATGGA AAAGCATTAA CACTTTCATC AATGTTTGAA	400
	(2) INFORMATION FOR SEQ ID NO: 3566:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 420 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3566:	
15	AAATTACGTA CALATTTAAA GCTGACGGCA CTATGACTGC AGGAACATCT GCCCCACTTT	60
	CTGATGGTGC AGGATTTGTA GTTTTAATGT CTGGAGATAA AGTGAAAGAA CTCGGCGTGA	120
	CACCTATTGC ACGATTCGTT GGTTTTAAGG CAGTAGGCGT TGACCCGAAA ATTATGGGTA	180
20	TTGGGCCTGC ATATGCGATT CCTGAAGTAT TGTCACTCAG CAATCTATCT GTTGAAGACA	240
	TTGATTTGAT CGAATTGAAC GAAGCATTTG CTTCTCAAAC GATTGCATCT ATTAAAGAAG	300
	TAGGTCTAGA TATATCACGT ACGAATGTGA ATGGTGGCGC TATTGCTTKA GGTCATCCAT	360
25	TAGGTGCTAC AGGCGCAATG TTAACCGCGC GTTTACLTAA TGAAATGGGT AGACGTCCCG	420
	(2) INFORMATION FOR SEQ ID NO: 3567:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3567:	
	TACGGGAAGT AGCTCAGCTT GGGTAGAGCA CTTGGTTTGG GACCAAGGGG TCGCAGGTTC	60
40	GAATCCTGTC TTCCCGATAT ACTGTAATTA TTATGGGGGC TTAGCTCAGC TGGGAGAGCG	120
	CCTGCTTTGC ACGCAGGAGG TCAGCGGTTC GATCCCGCTA GTCTCCACCA TATTATTTAC	180
45	AAACTATATA AGGCGGTGTA GCTCAGCTGG CTAGAGCGTA CGGTTCATAC CCGTGAGGTC	240
45	GGGGGTTCGA TCCCCTCCAC CGCCACTATT TATTAGTTGT AAAATTATAT TTAGGACCTT	300
	TAGCTCAGTT GGTTAGAGCT AACGGCTCAT AACCGTTCGG TCGCAGGTTC GAGTCCTGCA	360
50	GGTCCCATAT AATTTTGGAG GAATACCCAG TCCGGCTGAA	400
	(2) INFORMATION FOR SEQ ID NO: 3568:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	
55	•	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3568:	
	TTAGCCAATC CCCATTCTGG ACGTACCTCA CTCCAATCAC TCGCAAACCG CTGCGCTTCT	60
10	TCCACTGGAT GATTCACACG ACCAATCGTT GGCAGTTTGT CCAAACGTTC GCGATTCGGT	120
	GTTTCAGAAA TCATCGGCAT CGCGTCATTC AATGATTCAT ATGCATCTAA AGCAATAGAA	180
	GATAATGTGT CTGGCACATA TACCCATGCC AACGTATCAG TAGACGTATG ATGTTCTGCT	240
15	ACCGCAAAAA CAGTTGTCTC TGGANTATAC ACACCTGATT GTTTTAATCC TTGTCTGACA	300
	TTTGGACGAT TACATATCAT CGCTAATAAC TTAGCATTNA AAACCGCTTG ATGCGCCACC	360
20	ACAAGCCCCA CATTTCAAGT GATGGCATGG nTGTGGGTTn	400
20	(2) INFORMATION FOR SEQ ID NO: 3569:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3569:	
	CCCCGACCTC ACGGGTATGA ACCGTACGCT CTAGCCAGCT GAGCTACACC GCCTTATATA	60
	GTTTGTAAAT AATATGGTGG AGACTAGCGG GATCGAACCG CTGACCTCCT GCGTGCAAAG	120
35	CAGGCGCTCT CCCAGCTGAG CTAAGCCCCC ATAATAATTA CAGTATATCG GGAAGACAGG	180
	ATTCGAACCT GCGACCCCTT GGTCCCAAAC CAAGTGCTCT ACCAAGCTGA GCTACTTCCC	240
40	GTATAATTAA CGCGCCCGAT AGGAGTCGAA CCCATAACCT CTTGATCCGT AGTCAAACGC	300
70	TCTATCCAAT TGAGCTACGG GCGCATATGT TTTTATTGAA AATGGTGCCG AGGACCGGAA	360
	TCGAACCGGT ACGTGATCAC TCACCGCAGA TTTTAAGTCC	400
45	(2) INFORMATION FOR SEQ ID NO: 3570:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 542 base pairs	
50	<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

2590

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3570:

	GTTTTTATCC GTTGAGCGAT GGCCnTCCCA TGGGGACCTA CCGGATCACT AAGTCCGTCT	120
_	TTTCGACCCT GCTTCGACTT GTAGGTCTCG CAGTCAAGCT CCCTTATGCC TTTACACTCT	180
5	ATGAATGATT TCCAACCATT CTGAGGGAAC CTTTGAGCGC CTCCGTTACC TTTTAGGAGG	240
	CGACCGCCCC AGTCAAACTG CCCGCCTGAC ACTGTCTCCC ACCACGATAA GTGGTGCGGG	300
10	TTAGAAAGCC AACACAGCTA GGGTAGTATC CCACCAGCGC CTCCACGTAA GYTAGCGCTC	360
	ACGTTTCAAA GGCTCCTACC TATCCTGTAC AAGCTGTGCC GAATTTCAAT ATCAGGCTAC	420
	AGTAAAGCTC CACGGGGTCT TTCCGTCCTG TCGCGGGTAA CCTGCATCTT CACAGGTACT	480
15	ATGATTTCAC CGAGTCTCTC GTTGAGACAG TGCCCAAATC GTTACGCCTT TCGTGCGGGT	540
	CG	542
	(2) INFORMATION FOR SEQ ID NO: 3571:	
20 25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 619 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3571:	
30	ATGCCCGACC ACATGGAGCT TCCAATCCCA TTGCTCTAAC CAATGAGCTA CTGAACCATa	60
	aTaAAAATGT AAtGATGGCG GTCTCGACGG GAATCGAACC CGCGATCtCn GCGTGACAGG	120
	CAGGCGTGTT AACCCCTACA CTACGAGACC TATAAAATAT TGCGGGAGGC GGATTTGAAC	180
35	CACCGGACTT CGGGTTATGA GCCCGACGAG CTACCGAACT GCTCCATCCC GCGATAATAA	240
	AAAATAATGG CGGAGGAAGA GGGATTCGAA CCCCCGCGGC CCGTTAAGGC CCTGTCGGTT	300
40	TTCAAGACCG ATCCCTTCAG CCGGACTTGG GTATTCCTCC ATTATTATAG GTAAATCGCT	360
40	ATTAATTATA AAATTAAATG GCGGTCTCGA CGGGAATCGA ACCCGCGATC TCCTGCGTGA	420
	CAGGCAGGCG TGTTAACCGC TACACTACGA GACCATTAGT AAAACGGAGG AAGAGGGATT	480
45	CGAACCCCCG CGAGCCGTTA AGCCCCTGTC GGTTTTCAAG ACCGATCCCT TCAGCCGGAC	540
	TTGGGTATTC CTCCAAAATT ATATGGACCT TGCAGGACTC GAACCTkCGA CCGAACGGTT	600
	ATGAGCCGTT AGCTCTAAC	619
50	(2) INFORMATION FOR SEQ ID NO: 3572:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
55	(C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3572:	
	GGTGAAGACA TCACGTATCA AGAAGCATGG GCAGATGAAG AATATCGTGA AGACTTAAAA	60
5	GCAGAATTAA TTGATCAAGC GGTTACTTCA TTGAGCCACA AGATTTATTC AGTGCGATGA	120
	TTCGTGAAAT TGAAACGCAA GATTTCGATA TAGAACATCT AGCGACGGCG ATTCGCAAAG	180
10	TTGAAACATC TACATTAGGT GAAGAAAGTG AAAATGACTT TATCGGGCTG TTCAGCGATA	240
10	TGGATTTGAG TTCAACGCGA CTAGGTAACA ATGTCAAAGA ACGTACTGCT TTAATCTCTA	300
	AAGTCATGGT TAATCTTGAC GACTTACCAT TCGTTCACAG TGACATGGAA ATTGATATGT	360
15	TAGGTGATGC ATATGAATTC CTAATCGGGC GCTTTGCGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3573:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3573:	
	CAAATCGTAA CTCGCCGGTT CATTCTACAA AAGGCACGCC ATCACCCATT AACGGGCTCT	60
30	GACTACTTGT AAGCACACGG TTTCAGGTTC TATTTCACTC CCCTTCCGGG GTGCTTTTCA	120
	CCTTTCCCTC ACGGTACTGG TTCACTATCG GTCACTAGAG AGTATTTAGC CTTAGGAGAT	180
	GGTCCTCCCA GATTCCGACG GAATTTCACG TGCTCCGTCG TACTCAGGAT CCACTCAAGA	240
35	GAGACAACAT TTTCGACTAC AGGATTATTA CCTTCTTTGA TTCATCTTTC CAGATGATTC	300
	GTCTAATGTC GTCCTTTGTA ACTCCGTATA GAGTGTCCTA CAACCCCAAC AAGCAAGCTT	360
40	GTTGGTTTGG GGCTCTTCCC ATTTCGCTCG CGGCTACTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3574:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 1051 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3574:	
	TCCCTCAAAG ATGGATGAGG TTAATAGGTT CGAGGTGGAA GCATGGTGAC ATGTGGCAGC	60

	TTTACTTACT	ATCTAGTTTT	GAATGTATAA	ATTACATTCA	TATGTCTGGT	GACTATAGCA	180
_	AGGAGGTCAC	ACCTGTTCCC	ATGCCGAACA	CAGAAGTTAA	GCTCCTTAGC	GTCGATGGTA	240
5	GTCGAACTTA	CGTTCCGCTA	GAGTAGAACG	TTGCCAGGCA	TAATATTAAT	CCACAGTAGC	300
	TCAGTGGTAG	AGCTATCGGC	TGTTAACCGA	TCGGTCGTAG	GTTCGAGTCC	TACCTGTGGA	360
10	GCCATGGCTC	cTtGGTCAAG	CGGTTAAGAC	ACCGCCCTTT	CACGGCGGTA	ACACGGGTTC	420
	GAGTCCCGTA	GnAGTCATTA	TTTTGGAGAA	TTAGCTCAGC	TGGGAGAGCA	TCTGCCTTAC	480
	AAGCAGAGGG	TCGGCGGTTC	GAACCCGTCA	TTCTCCACCA	TTTTGATTAT	TAAATTATAT	540
15	GAATAAGCTG	GAGGGGTAGC	GAAgTGGCTA	AACGCGGCGG	ACTGTAAATC	CGCTcCTTCG	600
	GGTTCGGCAG	TTCGAATCTG	CCCCCTCCA	CCATCTATAT	ATTGGGCTAT	AGCCAAGCGG	660
	TAAGGCAACG	GACTTTGACT	CCGTCACTCG	TTGGTTCGAA	TCCAGCTAGC	CCAGCCATTA	720
20	GAGCCATTAG	CTCAGTTGGT	AGAGCATCTG	ACTTTTAATC	AGAGGGTCAG	AGGTTCGAAT	780
	CCTCTATGGC	TCACTACTTG	CACTTTCCAT	TTTTGGGAAG	TGCTTTTTTT	TAGGTTCTcC	840
25	ACCAAATGTG	GTGGGtATAT	AATTTAAAGA	ACTATTTTA	AAATACAACT	TTTAGAGCTT	900
	TTATTATTAG	GCGGCCAGTC	CATTATTGGG	CTTGGTTGTC	TTCTTTTTTT	CTCCTTTGtA	960
	CAAGCTGAAA	ATCATCATTA	TACGTGCtTA	AAGTGTGAAA	TTTCTGTAAC	CAAAAGAATn	1020
30	CACTTGATTA	ATTnnATCTA	TATAATGCCT	С			1051
	(2) INFORM	ATION FOR SI	EQ ID NO: 35	575:			
35		EQUENCE CHAR (A) LENGTH: (B) TYPE: no (C) STRANDER (D) TOPOLOGY	476 base pa ucleic acid DNESS: doub	airs			
10	(xi) s	SEQUENCE DES	SCRIPTION: S	SEQ ID NO:	3575:		
	GTGGAGCGCT	TAGAAGTGAG	AATGCAAGTG	TGAgTAGCGA	AAGACGGGTG	AGAATCCCGT	60
<b>1</b> 5	CCACCGATTG	ACTAAGGTTT	CCAGAGGAAG	GCTCGTCCGC	TCTGGGTTAG	TCGGGTCCTA	120
	AGCTGAGGCC	GACACGTATG	GCGATGGATA	ACAGGTTGAT	ATTCCTGTAC	CACCTATAAT	180
	ድርጥጥጥጥ እ አጥር	CATCCCCCCA	СССАТАССАТ	AGGCGAGGTG	accamacaa	TGCACGTCTA	240

2593

AGCAGTAAGG CTGAGTATTA GGCAAATCCG GTACTCGTTA AGGCTGAGCT GTGATGGGGA

GAAGACATTG TGTCTTCGAG TCGTTGATTT CACACTGCCG AGAAAAGCCT CTAGATAGAA

AATAGGTGCC CGTaCCGCAA AACCGACACA GGTAGTCCAA GATGNGAATT CTAANGTGAA

50

55

300

360

(2) INFORMATION FOR SEQ ID NO: 3576:

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3576:	
	TTTGTTCCTT TTTTAATTTA TATATTTAAA ATACACATAT TCAAGAGCTC GAGATATAAG	60
15	TCAATGTACT AGGCACACA TTTAATATTG ACAGTAATTA ACCGAACGAA AATGCGCCCC	120
	GGGGCCCCAA CATAGAGAAT TTCGAAAAGA AATTCTACAG ACAATGCAAG TTGGCGGGGC	180
	CCCAACATAG AAGCTGGCCA ATAGTTAGCT TTCAATAATG TGCAAGTTGG GGTAAGGGCC	240
20	CCAACACAGA AGCTGGCCAA TAGTCAGCTT TCAATAATGT GCAAGTTGGG GTAAGGGCCC	300
	CAACACAGAG AATTTCGAAA AGAAATTCTA CAGACAATGC AAGTTGGCGG GGCCCCAACA	360
	CAGAAGCTGG GCCAATAGTC AGCTTTTCCA ATAATGTGGC	400
25	(2) INFORMATION FOR SEQ ID NO: 3577:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3577:	
	TGCATCTTCA CAGGTACTAT GATTTCACCG AGTCTCTCGT TGAGACAGTG CCCAAATCGT	60
	TACGCCTTTC GTGCGGGTCG GAACTTACCC GACAAGGAAT TTCGCTACCT TAGGACCGTT	120
40	ATAGTTACGG CCGCCGTTTA CTGGGGGCTTC GATTCGTAGC TTCGCAGAAC TAACCACTCC	180
	TCTTAACCTT CCAGCACCGG GCAGGCGTCA GCCCTATACA TCACCTTACG GTTTAGCAGA	240
	GACCTGTGTT TTTGATAAAC AGTCGCTTGG GCCTATTCAC TGCGGCTCTT CTGGGCGTTA	300
45	ACCCTAAAGA GCACCCCTTC TCCCGAAGTT ACGGGGTCAT TTTGCCGAGT TCCTTAACGA	360
	GAGTTCGCTC GCTCACCTTA GAATTCTCAT CTTGACTAAC	400
50	(2) INFORMATION FOR SEQ ID NO: 3578:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3578:	
-	TAACTTAACA CGACTTCTTA AGTCATTTAG TTTTAATGTT TGATGTGTTT CTGCTAAACC	60
5	AATCTCCCAA GGAACACCGG CATGCTGAAT ACTCGTTTTG GGTGAAGCCC TGTACCACCA	120
	TCGTAACCAC TGATGACAAT TTTATCTGCA AATGCTTTTG CCACCCCAGA TGCAATGGTA	180
10	CCAACACCTG TTTTCGAAAC TAATTTTACC GCGATATCTG CATCTTTATT CGCATTTTTC	240
	AAATCATGTA TCAGTTGCGC TAAATCTTCT ATTGAATAAA TATCATGATG TGGCGGTGGT	300
	GAAATCAGAC CGATACCTGG CGTTGGACCC TCTTGTCTTC GCAATCCACG GATATACCTT	360
15	AGTACCAGGT AATTGGACCA CCTTCACCAG GCTTTGCACC	400
	(2) INFORMATION FOR SEQ ID NO: 3579:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3579:	
	AGCTACACCG CCTTATATAG TTTGTAAATA ATATGGTGGA GACTAGCGGG ATCGAACCGC	60
30	TGACCTCCTG CGTGCAAAGC AGGCGCTCTC CCAGCTGAGC TAAGCCCCCCA TAATAATTAC	120
	AGTATATCGG GAAGACAGGA TTCGAACCTG CGACCCCTTG GTCCCAAACC AAGTGCTCTA	180
	CCAAGCTGAG CTACTTCCCG TATAATTAAC GCGCCCGATA GGAGTCGAAC CCATAACCTC	240
35	TTGATCCGTA GTCAAACGCT CTATCCAATT GAGCTACGGG CGCATATGTT TTTATTGAAA	300
	ATGGTGCCGA GGACCGGAAT CGAACCGGTA CGTGATCACT CACCGCAGGA TTTTAAGTCC	360
	TGTGCGTCTG CCAGTTCCGC CACCCCGGCA CTATAAAAAT	400
40	(2) INFORMATION FOR SEQ ID NO: 3580:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3580:	
	ACGTAAATAA CCATAACGAC GTGCCTCAAA GGCATTTGTA GAGACTTTCG CAAATGCGAT	60

	TATGCGATCA GCCATTTCTG CAAGGCCACC GCCACTCGGT AATAAGCCAA CACCTGCTTC	180
	AACAAGACCG ATATATGTTT CACTTGCAGC GACAACAATA GGTGAGTAAA GTACAAGCTC	240
5	ACAGCCACCG CCTAAGGCAC GACCTTGAAC AGCTGTGACT ACTGGTTTCA AACTATACTT	300
	CAAACGATTA AAGCTATAAT GTAATTTATC AATTGATTGT GCACGACATC ATCTACAAGA	360
10	CCGTCTTCCA TGCGCCTTTT TCCATTAAGA AAGGGTTAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3581:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3581:	
	ATGTCATTGT TGGTACGGCT TTTCCAGAAG GATTACAAGG CCAAAACATT GCACGAACGA	60
	TTGCATTGCG TGCGGATTAT CTGACACGGT ACCGGGTCAA ACAGTGAATC GCTACTGCTC	120
25	ATCAGGATTA CAAACCATGC GATTGCAGCC AATCAAATTA TGGCTGGTCA AGGAGATATA	180
	CTTGTAGCTG GTGCGTTGAA TTGATGAGTG CCGTACCAAT GGGTGGCAAC GAGCCCACAA	240
30	ACAATCCAAC CTTACAATAT GATGATATAG GTGCGTCATA TCCTATGGGT TTAACTGCTG	300
	AAAATGTAGC ATCCCAATTT GACGTATCAC GCGAAGATCA AGATGCTTAT GCTGTCAGAA	360
	GTCATCAACG TGCCTATGAC GCACAACGTG ATGGGTCCGG	400
35	(2) INFORMATION FOR SEQ ID NO: 3582:	
<b>1</b> 0	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
<b>1</b> 5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3582:	
,,,	AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACG TTTTCACTTC GCCAAGCCAT	60
	TTTTCTTTGT GTTTACTTTT TATTTTGACG TTTTAGACAT AAAAAAAAGA GACCTTGCGG	120
50	TCTCAATGCG GCTCATCGCA TCCATTTTTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT	180
	AAGTTGGCTA CCATCGACGC TAAGAACCTT TCTTGACTTG TGACAATCGC TTGCTTCTTT	240
	CCTCTTCTTC GGCTCTCGCT TACTCATTTA GCTCTACTAA ACTCGTTGCG CTCTTTTCTC	300

	ATTTTGACGT TTTAGACATA AAAAAAAGAG ACCTTGCGGT	400
	(2) INFORMATION FOR SEQ ID NO: 3583:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3583:	
15	AAGCAGGCGC TCTCCCAGCT GAGCTAAGCC CCCAAATAGG TATTAAATTA ATGGTGGGCC	60
	TAAGTGGACT CGAACCACCG ACCTCACGCT TATCAGGCGT GCGCTCTAAC CAGCTGAGCT	120
	ATAGGCCCAT TAATTTGAAT GAACAAACAT TCAAAACTGA ATACAATATG TCACGTTATT	180
2 <b>0</b>	CCGCATCTTC TGAAGAAGAT GTTCCGAATA TATCCTTAGA AAGGAGGTGA TCCAGCCGCA	240
	CCTTCCGATA CGGCTACCTT GTTACGACTT CACCCCAATC ATTTGTCCCA CCTTCGACGG	300
	CTAGCTCCTA AAAAGGTTAC TCCACCGGCT TCGGGTGTTA CAAACTCTCG TGGTGTGACG	360
25	GGCGGTGTGT ACAAGACCCG GGAACGTATT TCACCGTAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3584:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3584:	
	ACTTATTTGG CGATATTTTA AGTGATGAAG CTTCAGTGAT TCCTGGTTCA CTTGGTTTAT	60
40	CACCTTCTGC TAGTTTTAGT AACGATGGTC CAAGATTGTA TGAGCCTATT CATGGATCAG	120
	CACCAGATAT TGCAGGTAAA AACGTTGCCA ATCCATTTGG AATGATTCTA TCTTTAGCGA	180
	TGTGTTTACG TGAAAGCTTA AATCAACCAG ATGCTGCAGA TGAATTAGAA CAACATATTT	240
45	ATAGCATGAT TGAACATGGG CAAACGACAG CAGATTTAGG CGGCAAATTG AATACTACTG	300
	ATATTTTCGA AATTCTATCT CAAAAATTGA ATCACTAAGG GGGGAGATGT AAATGGGGTC	360
50	AAACATTATT TGACAAnGTG TGGGACAGAC ATGTGTTATA	400
	(2) INFORMATION FOR SEQ ID NO: 3585:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li></ul>	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3585:	
	ACTGATGACA ATTTTATCTG CAAATGCTTT TGCCACCCCA GATGCAATGG TACCAACACC	60
10	TGTTTTCGAA ACTAATTTTA CCGCGATATC TGCATCTTTA TTCGCATTTT TCAAATCATG	120
	TATCAGTTGC GCTAAATCTT CTATTGAATA AATATCATGA TGTGGCGGTG GTGAAATCAG	180
	ACCGATACCT GGCGTTGACC CTCTTGTCTT CGCAATCCAC GGATATACCT TAGTACCAGG	240
15	TAATTGACCA CCTTCACCAG GCTTTGCACC TTGCGCAACT TTAATTTGAA TTTCTTTGGG	300
	CATGTTGTAA ATAATCACTA GTTACACCAA AACGCCCAGA AGCAACTTGT TTAATCGCAC	360
	TTACTTTGGT GGCTTCCATC AACTTGTACT TCATAACGGT	400
20	(2) INFORMATION FOR SEQ ID NO: 3586:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3586:	
	TACAAGTATT ACCATTATCT CHAGAGGATT CTAGATAAGG GGCATGGATC ATTTGTCTTC	60
	TTATGAATTT GAGCCAGATA AAGAATCTAT CTTAAGTGTA ATCTTGACCT CAATATGTTG	120
35	AGAGTTTGAT TTACGGAACA ATATTAGACG CAAAAGCAAG TGAGCATGCA ACACGTATGA	180
	CTGCGATGAA AAATGCCACT GATAATGCAA CTGAACTTAT TGATGACTTA TCATTAGAAT	240
	ATAACAGAGC GAGACAAGCA GAAATTACGC AACAAATTAC TGAAATTGTT GGTGGTTCCG	300
40	CAGCGCTTGA ATAATATTTA ANGGAGGAAA ATAGCATGGG AATTGGCCGT GTACTCAAGT	360
	TATGGGTCCT GTAATTGATG TTCGATTTGA ACATAACGAG	400
	(2) INFORMATION FOR SEQ ID NO: 3587:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3587:	

	AGGATTCGAA CCTGCGACCC CTTGGTCCCA AACCAAGTGC TCTACCAAGC TGAGCTACTT	120
	CCCGTATAAT TAACGCGCCC GATAGGAGTC GAACCCATAA CCTCTTGATC CGTAGTCAAA	180
5	CGCTCTATCC AATTGAGCTA CGGGCGCATA TGTTTTTATT GAAAATGGTG CCGAGGACCG	240
	GAATCGAACC GGTACGTGAT CACTCACCGC AGGATTTTAA GTCCTGTGCG TCTGCCAGTT	300
	CCGCCACCCC GGCACTATAA AAATGGAGCA GAAGACGGGA TTCGAACCCG CGACCCCAAC	360
10	CTTGGCAAGG TTGTATTCTA CCGCTGAACT ACTTCTGCAT	400
	(2) INFORMATION FOR SEQ ID NO: 3588:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3588:	
	TACTATTGAC ATGTGTGAAC CCTATGTCCG ATTATTTCGC GACCTATTTC CTAATGCAGC	60
25	TATTATTTTT GACAGATTCC ATATCGTTCA ACATTTAAAT AGAGAACTTA ATAAGTATCG	120
	TGTACAAGTT ATGAATGAAT ACCGTAATAA AAAAGGACCT GATTATACAA TTTTTAAGAA	180
	TAACTGGAAA GTCCTATTGA TGGATACTAG TAAAACCATA TTTAGTAAAT ACAGATGGAA	240
30	TAAATCTTTT AAGGGCTTAT AAACGCTCAT CTGACATTGT AGAATTCATG CTTTCAAAAG	300
	ACGATATACT ACGACACTCC TACGAACTTG TCCAGGGATT ACGAAAAGAC CTAAGGGTAT	360
35	GTAATTGGGC CTAAATTTAT TAATCGTTTA AATTCCGTTA  (2) INFORMATION FOR SEQ ID NO: 3589:	400
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3589:	
	AGAGCGAACG GACGAGAAGC TTGCTTCTCT GATGTTAGCn GCGGACGGGT GAGTAACACG	60
	TGGATAACCT ACCTATAAGA CTGGGATAAC TTCGGGAAAC CGGAGCTAAT ACCGGATAAT	120
50	ATTTTGAACC GCATGGTTCA AAAGTGAAAG ACGGTCTTGC TGTCACTTAT AGATGGATCC	180
	GCGCTGCATT AGCTAGTTGG TAAGGTAACG GCTTACCAAG GCAACGATGC ATAGCCGACC	240

	AGTAGGGAAT CTTCCGCAAT GGGCGAAAGC TGACGGAGCA ACGNCGCGTG AGTGATGAAG	360
	GTCTTCGGAT CGTAAAACTC TGTTATTAGG GAAGAACATA	400
5	(2) INFORMATION FOR SEQ ID NO: 3590:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 509 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3590:	
	GTTAGGAGAG CGTTCTAAGG GCGTTGAAGC ATGATCGTAA GGACATGTGG AGCGCTTAGA	60
	AGTGAGAATG CCGGTGTGAG TAGCGAAAGA CGGGTGAGAA TCCCCCCACC GATTGACTAA	120
20	GGTTTCCAGA GGAAGGCTCG TCCGCTCTGG GTTAGTCGGG TCCTAAGCTG AGGCCGACAG	180
	gTAaGGCGAT GGATAACAGG TTGATATTCC TGTACCACCT ATAATCGTTT TAATCGATGG	240
	GGGGACGCAT AGGATAGGCG AACGTGCGAT TGGATTGCAC GTCTAAGCAG TAAGGCTGAG	300
25	TATTAGGCAA ATCCGGTACT CGTTaAGGCT GAGCTGTGAT GGGGAGAAGA CATTGWGTCT	360
	TCGAGTCGTT GATTTCACAC TGCCGAGAAA AgCCTCTAGA TAGAAAATAG GTGCCCGTAC	420
30	CGCAAACCGA CACAGGTAAT CCAAGATGAG AATTCTAAGG TGAGCGAGCG AACTCTCGTT	480
30	AAGGAACTCG GCAAAATGAC CCCGTAACT	509
	(2) INFORMATION FOR SEQ ID NO: 3591:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3591:	
	ATTTCTTATG AATTCAAGCT TATTTAAAAC TCTTTATTCA CTCGGTTTTG CTTGGTAAAA	60
45	TCTATATTTT ACTTACTTAT CTAGTTTTCA ATGTACAAAT AATGGTGGAG ACTAGCGGGA	120
	TCGAACCGCT GACCTCCTGC GTGCAAAGCA GGCGCTCTCC CAGCTGAGCT AAGCCCCCAA	180
50	ATAGGTATTA AATTAATGGT GGGCCTAAGT GGACTCGAAC CACCGACCTC ACGCTTATCA	240
50	GGCGTGCGCT CTAACCAGCT GAGCTATAGG CCCATTAATT TGAATGAACA AACATTCAAA	300
	ACTGAATACA ATATGTCACG TTATTCCGCA TCTTCTGAAG AAGATGTTCC GAATATATCC	360

(2) INFORMATION FOR SEQ ID NO: 3592:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 440 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3592:	
	TGGGnAACGC AACATCCTTT TCCAACTTAA CATATATTTT GGGACCTTaG CTGGTGGTCT	60
.5	GGGCTGTTTC CCTTTCGAAC ACGGACCTTA TCACCCATGT TCTGACTCCC aAGTTAAATT	120
15	AATTGGCATT CGGAGTTTGT CTGAATTCGG TAACCCGAGA GGGGCCCCTC GTCCAAACAG	180
	TGCTCTACCT CCAATAATCA TCACTTGAGG CTAGCCCTAA AGCTATTTCG GAGAGAACCA	240
20	GCTATCTCCA GGTTCGATTG GAATTTCTCC GCTACCCTCA GTTCATCCGC TCACTTTTCA	300
	ACGTAAGTCG GTTCGGTCCL CCATTCAGTG TTACCTGAAC TTCAACCTGa CCAAGGGTAG	360
	ATCACCTGGT TTCcGsGTsT ACGACCAAAT ASTAAACGCC CTATTCAGAC TCGCTTTCGC	420
25	TANGGCTCCA CATTACTGGn	440
	(2) INFORMATION FOR SEQ ID NO: 3593:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3593:	
	TAAACGAACC AATTTTATTT GGTGCACCAC TAGTATTGAA TCCTGTGTTC TTTATTCCAT	60
10	TTGTATTAGC ACCAATTGTT AACGTATGGA TTTTCAAACT TTTCGTTGAA GTGTTAGGAA	120
40	TGAATAGTTT TAGTGTGAAT TTACCTTGGA CAACACCAGG TCCATTGGGC ATTATCATGG	180
	GTACAGGTTT TGGTTTATGG TCATTCGTAC TAGCTATTAC TTTGATTGTT GTAGATATTA	240
45	TTATnTACTA CCCATTCCTA AAAGTTTATG ATAGTGAAAT TCTTGATGAA GAAGAAGGAC	300
	GTAAAGAAAG TAATTCAGAT TTAAAAGAAA AAGTTGCAGC AAACCTTTGA TACGAAAAAA	360
	GCTGATTCAA TTTTAGCGGC AAGTGGTGTA TCAGACGATG	400
50	(2) INFORMATION FOR SEQ ID NO: 3594:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 409 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3594:	
	AAGGGAATCG AATTTTCTTT CTCTTCCTCC GGGTACTAAG ATGTTTCAGT TCTCCGGGTG	60
10	TGCCTTCTGA TATGCTATGT ATTCACATAT CGATAACATG ACATAACTCA TGCTGGGTTT	120
	CCCCATTCGG AAATCTCTGG ATCAAAGCTT ACTACAGCTC CCCAAAGCAT ATCGTCGTTA	180
	GTAACGTCCT TCATCGGCTT CTAGTGCCAA GGCATCCACC GTGCGCCCTT AATAACTTAA	240
15	TCTATGTTTC CACCATTTTT ATAAGTCAAA CGCTCACATA CGGCTTCGTT TTCATTATTT	300
	TAAATGCTCA TTTACATAAG TAAACTCTGC TTTAAAATAA TTTAACTCAT TGTCTGCTAA	360
	ACGTTTTCTT TTATAAAAAG ATTTAAAGGC GTTALTAATC CTCTCGCTC	409
20	(2) INFORMATION FOR SEQ ID NO: 3595:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3595:	
	AATATAAGCC CTGGATCATA CATGACCTGT ATTTGGGCAA TCCCTTCTGC TACATCTTCT	60
	GCCCACTCAT TCAATATTTG TTTTGCAATA TCATCACCTT CTTCAGCTGC TTCAAACAAT	120
35	ACTGGCACAT GTGTGCTTCT CGTAAATCCT CCGGCAATCA TGCGCTTTTT CAATGCACTC	180
	GTTGCAGCAC GTTGCTCAAA CGTTGTATTT TCAGTTGGAC GATACAATAA ATACCCAACT	240
	TCATTTGCCT TATGAAGCTC ACCATTATCA ATATGACCTT GGATTATTCT TGTACGCACC	300
40	CCCAATGGCC TGGTACCAAG CGTCCATACA AAAGATCCGT TCTGGCTTGG ATATTGGATG	360
	GTAATTTCCA ATTCGGCCTA GTTAATGGCA GCGGTTTTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3596:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 596 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3596:	

	CTGCCGAACC CGAAGAGCGG ATTTACAGTC CGCCGCGTTT AGCCACTTCG CTACCCTCCA	120
	GCTTATTCAT ATAATTTAAT AATCAAAATG GTGGAGAATG ACGGGTTCGA CCGCCGACCC	180
5	TCTGCTTGTA AGGCAGATGC TCTCCCAGCT GAGCTAATTC TCCAAAATAA TGACTCCTAC	240
	GGGACTCGAA CCCGTGTTAC CGCCGTGAAA GGGCGLGTCT TAACCGCTTG ACCAAGGAGC	300
	CATGGCTCCA CAGGTAGGAC TCGAACCTAC GACCGATCGG TTAACAGCCG ATAGCTCTAC	360
10	CACTGAGCTA CTGTGGaTTA ATATTATGCC TGGCAACGTT CTACTCTAGC GGAACGTAAG	420
	TTCGACTACC ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGA ACAGGTGTGA	480
15	CCTCCTTGCT ATAGTCACCA GACATATGAA TGTAATTTAT ACATTCAAAA CTAGATAGTA	540
	AGTAAAAGTG ATTTTGCTTC GCAAAACATT TATTTTGATT AAGTCTTCGA TCGATT	596
	(2) INFORMATION FOR SEQ ID NO: 3597:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
?5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3597:	
	TCATCTTGAG GGGGGCTTCA TGCTTAGATG CTTTCAGCAC TTATCCCGTC CACACATAGC	60
30	TACCCAGCTA TGCCGTTGGC ACGACAACTG GTACACCAGA GGTATGTCCA TCCCGGTCCT	120
	CTCGTACTAA GGACAGCTCC TCTCAAATTT CCTACGCCCA CGACGGATAG GGACCGAACT	180
	GTCTCACGAC GTTCTGAACC CAGCTCGCGT ACCGCTTTAA TGGGCGAACA GCCCAACCCT	240
35	TGGGACCGAC TACAGCCCCA GGATGCGATG AGCCGACATC GAGGTGCCAA ACCTCCCCGT	300
	CGATGTGAAC TCTTGGGGGA GATAAGCCTG TTATCCCCGG GGTAGCTTTT ATCCGTTGAG	360
10	CGATGGCCCT TCCATGCGGA ACCACCGGAT CAATAAAGTC	400
	(2) INFORMATION FOR SEQ ID NO: 3598:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 397 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3598:	
	AACCAACGGC AGCAACTACA TGACCTAATT CTTGTGCTGA CTCTACATTT AGTAGCTCTA	60

	CACTTCAATT GTACCAATCA ATCGTTGACG ATCTTGATCG TAACGCCATG TAGCAATACC	180
	ACGATACTGT CCGTCACGAC TCGCGTATGC ATGCGCACTT GCTTCTGCAC CACGCGTATC	240
5	ATTTCCTGTT GCTAAAACAA CAGCATGTAT GCCATTCATA ACACCTTTAT TATGTGTTGC	300
	TGCACGATGA ATATCTACTT GGGCCAATAC AGAAGCACGT TCCATcGTTT GcaACCTCTT	360
	CTCCAGTTCT CTCGCCCCTT GGCTAAATCT TTAACAT	397
10	(2) INFORMATION FOR SEQ ID NO: 3599:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3599:	
	AACCCTTGGG ACCGACTACA GCCCCAGGAT GCGATGAGCC GACATCGAGG TGCCAAACCT	60
	CCCCGTCGAT GTGAACTCTT GGGGGAGATA AGCCTGTTAT CCCCGGGGTA GCTTTTATCC	120
25	GTTGAGCGAT GGCCCTTCCA TGCGGAACCA CCGGATCACT AAGTCCGTCT TTCGACCCTG	180
	CTCGACTTGT AGGTCTCGCA GTCAAGCTCC CTTATGCCTT TACACTCTAT GAATGATTTC	240
30	CAACCATTCT GAGGGAACCT TTGAGCGCCT CCGTTACCTT TTAGGAGGCG ACCGCCCCAG	300
00	TCAAACTGCC CGCCTGACAC TGTCTCCCAC CACGATAAGT GTGCGGGTTA GAAAGCCAAC	360
	ACAGCTAGGG TAGTATCCCA CCAGCGCCTC CAACGTAAGC	400
35	(2) INFORMATION FOR SEQ ID NO: 3600:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3600:	
45	ATCTGAATCT GAGTCGTTGT CTGAGTCCGA ATCGCTATCT GAATCTGAGT CGCTATCTGA	60
	GTCTGAGTCG CTATCTGAAT CTGAGTCGCT GTCTGAATCT GAATCACTGT CTGAGTCTGA	120
50	GTCGCTGTCT GAGTCTGAAT CGCTGTCAGA ATCTGAGTCG CTATCTGAGT CTGAATCTGA	180
	ATCACTGTCT GAGTCCGAAT CGCTATCTGA ATCTGAATCG CTATCTGAGT CTGAGTCGCT	240
	ATCCGAATCT GAGTCGCTAT CTGAGTCTGA GTCGCTATCC GAGTCTGAAT CGCTGTCTGA	300

	GGTCTGGAAT CTGAnTCGCT AACTGAAATC TGAGTCGCTA	400
	(2) INFORMATION FOR SEQ ID NO: 3601:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3601:	
15	ATTTAATACC TATTTGGGGG CTTAGCTCAG CTGGGAGAGC GCCTGCTTTG CACGCAGGAG	60
	GTCAGCGGTT CGATCCCGCT AGTCTCCACC ATTATTTGTA CATTGAAAAC TAGATAAGTA	120
	AGTAAAATAT AGATTTTACC AAGCAAAACC GAGTGAATAA AGAGTTTTAA ATAAGCTTGA	180
20	ATTCATAAGA AATAATCGCT AGTGTTCGAA AGAACATCCA CAAGATTAAT AACGCGTTTA	240
	AATCTTTTTA TAAAAGAACG TAACTTCATG TTAACGTTTG ACTTATAAAA ATGGTGGAAA	300
	CATAGGTTAA GTTATTAAGG GCGCACGGTG GGATGCCTTG GCACTAGAAG CCGATGAAGG	360
25	GnCGTTACTA ACGACGATAT GCTTTGGGGA GCTGTAAGTA	400
	(2) INFORMATION FOR SEQ ID NO: 3602:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 396 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3602:	
	GCTGTCTGAG TCGGAATCAC TGTnGGAGTC AGAATCGCTG TCTGAGTCGG AATCACTGTC	60
40	GGAATCTGAA TCGCTATCTG AATCTGAATC GCTATCTGAA TCCGAGTCAC TGTCTGAGTC	120
	AGAATCGnTA TCTGAATCTG AGTCACTGTC GGAATCTGAG TCACTGTCTG AGTCAGAATC	180
45	GCTATCTGAA TCCGAGTCAT TGTCTGAGTC GGAATCGCTC GCTGAGTCGG AATCGCTTGC	240
	TGAATCTGAA TCACTCGCTG AGTCTGAATC ACTTGCTGAA TCTGAATCAC TCGCTGAATC	300
	TGAACCACTA TCTGATGTAG GAATCACTAC CCGAATCTGA AnCGCTATCT GAATAAGAAT	360
50	CGCTGCCAGA TCTGAACCTG GGGTCAGAAT CTGAAT	396
	(2) INFORMATION FOR SEQ ID NO: 3603:	
55	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 529 base pairs	

	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3603:	
	TTTCTTATCT GTAATTTTAT CGTAAGATTT TTTCGCAATG AGATTTGGAT CGTnTTTGTC	60
10	CACTACAATA TCTAATAGTT TTACTTTAAG TCCAGCATTC ACAAAAAGTG CTGCCAGTTG	120
	AGCGCCCATT GTGCCTGCGC CAAGAACGGT TACTTTATTA ATTGTCATAG TGATTCCTCC	180
	AATTTAGTTG AGGATAAGAT AACCATTAAG ATAATTGGAA TAACGTTGCT ATTTTATAAA	240
15	ATTAATTAAG TATCTTTGAC AGTCATCTTA GCCTCTTATT TAAGGAAAAA GCTTTATGCT	300
	TAAAATAAGT CTTTTTTAGT GAAATTAATG CATCTCATAT AATTATTTGC TATTTATACG	360
20	AAAGCmgaAT CTCCAGTCaA AGCGCGTCCA ATTACTAAGG CATTAATTTC ATGTGTACCT	420
20	TCGTACGTGT AAATCGCTTC TGCATCAGAG AAGAAACGTG CAATATCATA ATCGTCAGCT	480
	AGTATGCCAT TACCACCTGT AATACCGCGG CCCATAGCTA CTnTCTCAC	529
25	(2) INFORMATION FOR SEQ ID NO: 3604:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3604:	
35	CACAAGATAA GCATTGTAGA TGTGGATGCT TTAACTGGGC AAGCGATTGG TCGTCCTAAA	60
	ACAGGTACAT ATGCGCTATC TGACCTAGTC GGTTTAGATA TTGCAGTGTC TGTAATTAAA	120
	GGCATGCAAC AAGTACCTGA AGAAACACCT TATTTTCATG ATGTCAAAAT TGTAAATACG	180
40	TTGTTTGACA ATGGCGCACT CGGACGTAAA ACGAAACAAG GATTTTACAA AAAGGATAAA	240
	GAAACTAAAG CTCGACTTGT TTACGATGTT GAAAAACAAG ATTATGTACC TGTATCGCAA	300
45	CCACAATTAC CAATTTTAAA TGAATTTAAT AAAGACTTAG TGCATAACCT TGATACCATA	360
,,,	TTCCAATGCG CAAGACGAGC GGGGACTATT TTTATGGGG	399
	(2) INFORMATION FOR SEQ ID NO: 3605:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3605:	
	ATCACTTGAG GCTAGCCCTA AAGCTATTTC GGAGAGAACC AGCTATCTCC AGGTTCGATT	60
5	GGAATTTCTC CGCTACCCTC AGTTCATCCG CTCACTTTTC AACGTAATCG GTTCGGTCCT	120
	CCATTCAGTG TTACCTGAAC TTCAACCTGA CCAAGGGTAG ATCACCTGGT TTCGGGTCTA	180
10	CGACCAAATA CTAAACGCCC TATTCAGACT CGCTTTCGCT ACGGCTCCAC ATTTACTGCT	240
, ,	TAACCTTGCA TCAAATCGTA ACTCGCCGGT TCATTCTACA AAAGGCACGC CATCACCCAT	300
	TAACGGGCTC TGGACTACTT GTAAGCACAC GGTTTCAGGT TCTATTTCAC TCCCCTTCCG	360
15	GGGTGGCTTT TCACCTTTCC CTCACGGTAA TGGGTTCACT	400
	(2) INFORMATION FOR SEQ ID NO: 3606:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3606:	
	AAATCCTGCG GTGAGTGATC ACTAACCCGG TTCGATTCCG GTCCTCGGCA CCATTTTCAA	60
30	TAAAAACATA TGCGCCCGTA GCTCAATTGG ATAGAGCGTT TGACTACGGA TCAAGAGGTT	120
	ATGGGTTCGA CTCCTATCGG GCGCGTTAAT TATACGGGAA GTAGCTCAGC TTGGTAGAGC	180
	ACTTGGTTTG GGACCAAGGG GTCGCAGGTT CGAATCCTGT CTTCCCGATA TACTGTAATT	240
35	ATTATGGGGG CTTAGCTCAG CTGGGGAGAG CGCCTGCTTT GCACGCAGGA GGTCAGCGGT	300
	TCGATCCCGC TAGTCTCCAC CATATTATTT ACAAACTATA TAAGGCGGTG TAGCTCAGCT	360
	GGCTAGAGCG TACGGTTCAT ACCCGTGAGG TCGGGGGTTC	400
40	(2) INFORMATION FOR SEQ ID NO: 3607:	
<b>4</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3607:	
	GGGTGTGCTT CTGATATGCT ATGTATTCAC ATATCGATAA CATGACATAA CTCATGCTGG	60
	GTTTCCCATT CGGAAATCTC TGGATCAAAG CTTACTTACA GCTCCCCAAA GCATATCGTC	120

	TTAATCTATG TTTCCACCAT TTTTATAAGT CAAACGTTAA CATGAAGTTA CGTTCTTTTA	240
	TAAAAAGATT TAAACGCGTT ATTAATCTTG TGAGTGTTCT TTCGAACACT AGCGATTATT	300
5	TCTTATGAAT TCAAGCTTAT TTAAAACTCT TTATTCACTC GGTTTTGCTT GGTAAAATCT	360
	ATATTTTACT TACTTATCTA GTTTnCAATG TACAAATAAT	400
10	(2) INFORMATION FOR SEQ ID NO: 3608:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3608:	
20	TAGTTTTCAA TGTACAAATA ATGGTGGAGA CTAGCGGGAT CGAACCGCTG ACCTCCTGCG	60
	TGCAAANAGC CGCTCTCCCA GCTGAGCTAA GCCCCCAAAT AGGTATTAAA TTAATGGTGG	120
	GCCTAAGTGG ACTCGAACCA CCGACCTCAC GCTTATCAGG CGTGCGCTCT AACCAGCTGA	180
25	GCTATAGGCC CATTAATTTG AATGAACAAA CATTCAAAAC TGAATACAAT ATGTCACGTT	240
	ATTCCGCATC TTCTGAAGAA GATGTTCCGA ATATATCCTT AGAAAGGAGG TGATCCAGCC	300
30	GCACCTTCCG ATACGGCTAC CTTGTTACGA CTTCACCCCA ATCATTTGTC CCACCTTCGA	360
	CGGCTAGCTC CTAAAAGGTT ACTCCACCGG CTTCGGGTGT	400
	(2) INFORMATION FOR SEQ ID NO: 3609:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3609:	
	AGGGCACTCT TACTGGGCGT GTTAAATTAC TAAnTTCAAT CAGCAGAAGA ACTAGGACAT	60
45	GGCGCTTTTA AAATTATTGA AACACATGCA TTAAAAGATG TACAAGCAGT ATTGGGTTTT	120
	CATAATGACC CATCGCGTTC GGTAGGTACA TTTGCAATCA AAACAGGGGC AATTACATCA	180
	GCAGTAGATC GTTTTGAGTT TCATATTAAA GGCGTGGGTG GTCATGCTGC AAACCAGAAC	240
50	AATGCAACGA TCCAGTTATT GTGTTGGCGC AATTGATTAA TAGTATTCAA TCCATAGTTA	300
	GTAGAAATCT ATCTGCGTTT GATGAAGCGG TAGTAACAAT TGGACAAATA TCATGTGGTA	360

(2) INFORMATION FOR SEQ ID NO: 3610:

55

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3610:	
	AGGGAATCGA ATTTTCTTTC TCTTCCTCCG GGTACTAAGA TGTTTCAGTT CTCCGGGTGT	60
15	GCCTTCTGAT ATGCTATGTA TTCACATATC GATAACATGA CATAACTCAT GCTGGGTTTC	120
	CCCATTCGGA AATCTCTGGA TCAAAGCTTA CTTACAGCTC CCCAAAGCAT ATCGTCGTTA	180
	GTAACGTCCT TCATCGGCTT CTAGTGCCAA GGCATCCACC GTGCGCCCTT AATAACTTAA	240
20	TCTATGTTTC CACCATTTTT ATAAGTCAAA CGCTCACATA CGGCTTCGTT TTCATTATTT	300
	TAAATGCTCA TTTACATAAG TAAACTCTGC TTTAAAATGA ATTTAACTCA TTGTCTGCTA	360
	AACGTTTTGC TTTTATAAAA AGATTTAAAC GCGTTGATTT	400
25	(2) INFORMATION FOR SEQ ID NO: 3611:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3611:	
	GAGCTAGGCC GGCAATATGT AAGAATAAAT GGTGGAGAAT GACGGGTTCG AACCGCCGAC	60
	CCTCTGCTTG TAAGGCAGAT GCTCTCCCAG CTGAGCTAAT TCTCCGATTT AAAACTGCCT	120
40	GGCAACGTTC TACTCTAGCG GAANTAAGTT GNACTACCAT CGACGCTAAG GAGCTTAACT	180
	TCTGTGTTCG GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGAATG	240
	TAATTTATAC ATTCAAAACT AGATAGTAAG TAAAAGTGAT TTTGCTTCGC AAAACATTTA	300
45	TTTTGATTAA GTCTTCGATC GATTAGTATT CGTCAGCTCC ACATGTCACC ATGCTTCCAC	360
	CTCGAACCTA TTAACCTCAT CATCTTTGAG GGATCTTAAT	400
	(2) INFORMATION FOR SEQ ID NO: 3612:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> </ul> </li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3612:	
5	ACCCAGCTCG CGTACCGCTT TAATGGGCGA ACAGCAATCC CTTGGGACCG ACTACAGCCC	60
	CAGGATGCGA TGAGCCGACA TCGAGGTGCC AAACCTCCCC GTCGATGTGA ACTCTTGGGG	120
4.0	GAGATAAGCC TGTTATCCCC GGGGTAGCTT TTATCCGTTG AGCGATGGCC CTTCCATGCG	180
10	GAACCACCGG ATCACTAAGT CCGTCTTTCG ACCCTGCTCG ACTTGTAGGT CTCGCAGTCA	240
	AGCTCCCTTA TGCCTTTACA CTCTATGAAT GATTTCCAAC CATTCTGAGG GAACCTTTGA	300
15	GNGCCTCCGT TACCTTTTAG GAGGCGACCG CCCCAGTCAA ACTGCCCGCC TGACACTGTC	360
	TCCCACCACG ATAAGTGTnC GGGGGTTAGA AAGCCAACAC	400
	(2) INFORMATION FOR SEQ ID NO: 3613:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 487 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3613:	
	ACTTACAGCT CCCCAAAGCA TATCGTCGTT AGTAACGTCC TTCATCGGCT TCTAGTGCAA	60
30	GGCATCCACC GTGCGCCCTT AATAACTTAA TCTATGTTTC CACCATTTTT ATAAGTCAAA	120
	CGCTCACATA CGGCTTCGTT TTCATTATTT TAAATGCTCA TTTACATAAG TAAACTCTGC	180
35	TTTAAAATAA TTTAACTCAT TGTCTGCTAA ACGTTTTCTT TTATAAAAAG ATTTAAACGC	240
	GTTATTAATC TTGTGAGTGT TCTTTCGAAC ACTAGCGATT ATTTCTTATG AATTCAAGCT	300
	TATTTAAAAC TCTTTATTCA CTCGGTTTTG CTTGGTAAAA TCTATATTTT ACTTACTTAT	360
40	CTAGTTTTCA ATGTACAAAT AATGGTGGGC CTAAGTGGAC TCGAACCACC GACCTCACGC	420
	TTATCAGGCG TGCGCTCTAA CCAGCTGAGC TATAGGCCCA TTTTTTTGaA TGTTAAATAA	480
	ACATTCA	487
45	(2) INFORMATION FOR SEQ ID NO: 3614:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	ACCGTACGCT CTAGCCAGCT GAGCTACACC GCCTTATATA GTTTGTAAAT AATATGGTGG	60
	AGACTAGCGG GATCGAACCG CTGACCTCCT GCGTGCAAAG CAGGCGCTCT CCCAGCTGAG	120
5	CTAAGCCCCC ATAATAATTA CAGTATATCG GGAAGACAGG ATTCGAACCT GCGACCCCTT	180
	GGTCCCAAAC CAAGTGnTCT ACCAAGCTGA GCTACTTCCC GTATAATTAA CGCGCCCGAT	240
10	AGGAGTCGAA CCCATAACCT CTTGATCCGT AGTCAAACGC TCTAThCAAT TGAGCTACGG	300
, 0	GCGCATATGT TTTTATTGAA AATGGTGCCG AGGACCGGAA TCGAACCGGT ACGGTGATCA	360
	CTCACCGCAG ATTTTAAGTC CTGTGCGTCT GCnAGTTCCG	400
15	(2) INFORMATION FOR SEQ ID NO: 3615:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3615:	
	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	60
	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTATTTTGAC	120
30	GTTTTAGACA TAAAAAAAGA GACCTCACGG TCTCAACTTG CCTGGCAACG TTCTACTCTA	180
	GCGGAACGTA AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT GACAATCGCT	240
	TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT ACTCATTTAG CTCTACTAAA CTCGTTGCGC	300
35	TCTTTTCTCG TTTCGTCAGA TTCAAACGTT TTCACTTCGC CAAGCCATTT TTCTTTGTGT	360
	TTACTTTTTA TTTTGACGTT TAGGCATAAA AAAAAGAGAC	400
40	(2) INFORMATION FOR SEQ ID NO: 3616:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 420 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3616:	
50	TMGTGTCTTT CGAACACTAG CGATTATTTC TTATGAATTC AAGCTTATTT AAAACTCTTT	60
	ATTCACTCGG TTTTGCTTGG KAAAATCTAT ATTTTACTTA CTTATCTAGT TTTCAATGTA	120
55	CAATTTCTTT TTAGTCAAGC GCTCGCATAA GCAATATCAC TTTAACCAAA AAATATTTGA	180

	AAGATGTTCC GAATATATCC TTAGAAAGGA GGNGATCCAG CCGCACCTTC CGATACGGCT	300
_	ACCTTGTTAC GACTTCACCC CAATCATTTG TCCCACCTTC GACGGCTAGC TCCTAAAAGG	360
5	TTACTCCACC GGCTTCGGGT GTTACAAACT CTCGTnGGTG TGACGGGCGG TGTGTACAAG	420
	(2) INFORMATION FOR SEQ ID NO: 3617:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3617:	
20	CACTAGCGAT TATTTCTTAT GAATTCAAGC TTATTTAAAA CTCTTTATTC ACTCGGTTTT	60
	GCTTGGTAAA ATCTATATTT TACTTACTTA TCTAGTTTTC AATGTACAAT TTCTTTTTAG	120
	TCAAGCGCTC GCATAAGCAA TATCACTTTA ACCAAAAAAT ATTTGAATGT TAAATAAACA	180
25	TTCAAAACTG AATACAATAT GTCACATTAT TCCGCATCTT CTGAAGAAGA TGTTCCGAAT	240
	ATATCCTTAG AAAGGAGGTG ATCCAGCCGC ACCTTCCGAT ACGGCTACCT TGTTACGACT	300
	TCANCCCAAT CATTTGTCCC ACCTTCGACG GCTAGCTCCT AAAAGGTTAC TCCACCGGCT	360
30	TCGGGTGTTA CAAACTCTCG TGGTGTGACG GGCGGTGTGT	400
	(2) INFORMATION FOR SEQ ID NO: 3618:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3618:	
	GATATACGCT ATGGCTGGAG CAGTGTGGCC AAATGGCGGA AGACAAACGT TTAATGCGAT	60
45	ATACTTAGCG CAAAATATTG GTGTGGCTGT CGGTGCTGCA ATGGGCGGCT TTGTCGCAGA	120
	ATTTAGCTTT AACTATATCT TTTTAGCCAA TCTTATTATG TATGTTGTGT TTGCGCTTGT	180
	CCGGTTAACn AATTTAATAT TGAAATTAAT GCGAAAGTTA AATATCCAAC TCATTTAGAT	240
50	ATTACTGGTA AAAAGAATAA AGCAAGATTT ATTTCATTAG TACTAATTTG TGCAATGTTT	300
	GCAATTTGTT GGGTTGCATA TATTCAATGG GGAGTCTACA ATCGCTTCAT TTTACACAAT	360
55	CTATTAATAT TTCAATGGGC ACAATATAGT GTTTTATGGG	400

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3619:	
10	TCGCACGCCT TCGCCTATCC TACTGCGTCC CCCCATCGAT TAAAACGATT ATAGGTGGTA	60
	CAGGNAATAT CAACCTGTTA TCCATCGCCT ACGCCTGTCG GCCTCAGCTT AGGACCCGAC	120
15	TAACCCAGAG CGGACGAGCC TTCCTCTGGA AACCTTAGTC AATCGGTGGA CGGGATTCTC	180
	ACCCGTCTTT CGCTACTCAC ACCGGCATTC TCACTTCTAA GCGCTCCACA TGTCCTTACG	240
	ATCATGCTTC AACGCCCTTA GAACGCTCTC CTACCATTGT CCAAAGGAAA TCCACAGCTT	300
20	CGGTAATATG TTTAGCCCCG GTACATTTTC GGCGCAGTGT CACTCGACTA GTGAGCTATT	360
	ACGCACTCTT TAAATGATGG CTGCTTCTAA GCCAACATCC	400
25	(2) INFORMATION FOR SEQ ID NO: 3620:  (i) SEQUENCE CHARACTERISTICS:	
30	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3620:	
35	TTAAGTCTTC GATCGATTAG TATTCGTCAG CTCCACATGT CACCATGCTT CCACCTCGAA	60
	CCTATTAACC TCATCATCTT TGAGGGATCT TATAACCGAA GTTGGGAAAT CTCATCTTGA	120
40	GGGGGGCTTC ATGCTTAGAT GCTTTCAGCA CTTATCCCGT CCACACATAG CTACCCAGCT	180
,,,	ATGCCGTTGG CACGACAACT GGTACACCAG AGGTATGTCC ATCCCGGTCC TCTCGTACTA	240
	AGGACAGCTC CTCTCAAATT TCCTACGCCC ACGACGGATA GGGACCGAAC TGTCTCACGA	300
45	CGTTCTGAAC CCAGCTCGCG TACCGCTTTA ATGGGCGAAC AGCCCAACCC TTGGGACCGA	360
	CTACAGnCCC AAGGATGCGA TGAGCCGACA TCGAGGTGCC	400
	(2) INFORMATION FOR SEQ ID NO: 3621:	
50 55	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 475 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3621:	
	CCACACCCGc AAATGGTGag CCATAGcAGG ATTCGgaACC TCTGCACCCT CTGATTAAAA	60
5	GTCAGCATGC TCTACCAACT GAGCTAATGG CTCTTCCATG GTGCCGGCCA GAGGACTTGA	120
	ACCCCCAACC TACTGATTAC AAGTCAGTTG CTCTACCAAT TGAGCTAGGC CGGCAATATG	180
10	TAAGAATAAA TGGTGGAGAA TGACGGGTTC GAACCGCCGA CCCTCTGCTT GTAAGGCAGA	240
, 0	TGCTCTCCCA GCTGAGCTAA TTCTCCGATT TAAAACTGCC TGGCAACGTT CTACTCTAGC	300
	GGAACGTAAG TTCGACTACC ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGA	360
15	ACAGGTGTGA CCTCCTTGCT ATAGTCACCA GACATATGGA ATGTAATTTA TACATTCAAA	420
	ACTAGATAGT AAGTAAAAGT GATTTTGCTT CGCAAAACAT TTATTTTGAT TAAGT	475
	(2) INFORMATION FOR SEQ ID NO: 3622:	
20 25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3622:	
30	TGGACGAAAC TTTATATCGA TCAATTTCTA TCGAGTTGGA CAATGCCGAA GCGTGACAAA	60
	AGTTTTTACC ATGCATGGTT GCATTTAGCG CAACATGACC ATAGTTTTAC TAAAGCACAG	120
	CGCnCAAGTG ATTAAAGGCT TACCCAATGA TCCTGAAATG ACGATAGAGT CAGTATTAAC	180
35	TCATTTTCA ATAGATCAGG AAGACTACCA AGCTTATGTT GAAGGACATC TTTTGGCGTT	240
	ACCGGGTTGG GCAGGTATGT TGTATTACCG TTCACAACAG CATCACTTTG AACAACATTT	300
40	GTTAACGGAT TATTTGGCAA TTCGGTTAGT TGTCGAACAA TTGCTAGTTG GTGGATGAGT	360
	TTTAAGTCAG TCGCTAAAGA TTGTGGAAAG TAAGATCCGG	400
	(2) INFORMATION FOR SEQ ID NO: 3623:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3623:	
55	TAGATGCTTT CASACTTATC CCGTCCACAC ATAGCTACCC AGCTATGCCG TTGGACGACA	60

	ATTTCCTACG CCCACGACGG ATAGGGACCG AACTGTCTCA CGACGTTCTG AACCCAGCTC	180
	GCGTACCGCT TTAATGGGCG AACAGCCAAC CCTTGGGACC GACTACAGCC CCAGGATGCG	240
5	ATGACCGACA TCGAGGTGCC AAACCTCCCC GTCGATGTGA ACTCTTGGGG GAGATAAGCC	300
	TGTTATCCCC GGGGTAGCTT TTATCCGTTG AGCGATGGCC TTCCATGCGG GAACACCGGA	360
10	TCACTAAGTC CGTCTTTCGA CCCTGCTCGA CTTTGTAGGn	400
10	(2) INFORMATION FOR SEQ ID NO: 3624:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3624:	
	GAGCTAGGCC GGCAATATGT AAGAATAAAT GGTGGAGAAT GACGGGTTCG AACCGCCGAC	60
25	CCTCTGCTTG TAAGGCAGAT GCTCTCCCAG CTGAGCTAAT TCTCCGATTT AAAACTGCCT	120
25	GGCAACGTTC TACTCTAGCG GAAnTAAGTn GNACTACCAT CGACGCTAAG GAGCTTAACT	180
	TCTGTGTTCG GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGAATG	240
30	TAATTTATAC ATTCAAAACT AGATAGTAAG TAAAAGTGAT TTTGCTTCGC AAACATTTAT	300
	TTTGATTAAG TCTTCGATCG ATTAGTATTC GTCAGCTCCA CATGTCACCA TGCTTCCACC	360
	TCGAACCTAT TAACCTCATC ATCTTTGAGG GGATCTTATA	400
35	(2) INFORMATION FOR SEQ ID NO: 3625:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3625:	
	TTAAAGAACG CTAATAACTG ATCGTAACCA CTATATATAT TGTTGTGACC TCTAACAGCA	60
	TAATGTCTAA ATGTTTGTGG GATATATTGA AGCAATCCTT TTGCTGGATT GCCCTGTAAA	120
50	ACGTTGATGT CTCTAAGCGA ACTAGATTGA GTTATACCTG CATTTCCTCC TGATTCGTGT	180
	TGAATCAAGC TAATGATATT TCCTACGTCA GCCGAAGTAA CATTAACACC CATTCGTTTT	240
	GCTGCACGAC GTATATCGCC TGCCCAAGCA GATGCAGCCT TATTAACACC TGAACCACTT	300

	CCTGGATGCG ACCCTTGCAT CANTTGGGAA ATGTANGTGT	400
	(2) INFORMATION FOR SEQ ID NO: 3626:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 461 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3626:	
15	GATTGTGGTT CCGACATTCG AGGGTTCGAT CCCCTTCAGC CGCCCTTATT ATTAATGGGC	60
	TATAGCCAAG CGGTAAGGCA ACGGACTTTG ACTCCGTCAC TCGTTGGTTC GAATCCAGCT	120
	AGCCCAGTTA TTGGCGGCAT AGCAAGTGGT AAGGCAGAGG TCTGCAAAAC CTTTATCACC	180
20	GGTTCAAATC CGGTTGCCGC CTCCAGGTTT ATGCGGGAGT AGTTCAACTT TTAGAACACG	240
	TTCCTTCCCG GAAGAGGTAT AGGTGCAAAT CCTATCTTCC GCTCCATAAT TTAATAATAA	300
25	TGCGGGAGTA TTTCAACTCT TAGAATACAT TCCTTCCTGG AATGAGGTAT AGGTGTAAAT	360
	CCTATCTTCC GCTCCATAAT TTAATATTTG cGGGAGTAGT TCAACTTTTA GAAACAGCTC	420
	CTTCCCGGAA CCGAGGTATA GGTGTAAATC CTATCTTCCG C	461
30	(2) INFORMATION FOR SEQ ID NO: 3627:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	
35	(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3627:	
	TGCGGTCTCA ATGCGGCTCA TCGCATCCAT TTTTTGCCTG GCAACGTTCT ACTCTAGCGG	60
	AACGTAAGTT GGCTNANATC GACGCTAAGA ACCTTTCTTG ACTTGTGACA ATCGCTTGCT	120
45	TCTTTCCTCT TCTTCGGCTC TCGCTTACTC ATTTAGCTCT ACTAAACTCG TTGCGCTCTT	180
	TTCTCGTTTC GTCAGATTCA AACGTTTTCA CTTCGCCAAG CCATTTTTCT TTGTGTTTGC	240
	TTTTTATTTT GACGTTTTAG ACATAAAAA AAGAGACCTT GCGGTCTCAA TGCGGCTCAT	300
50	CGCATCCATT TTTTGCCTGG CAACGTTCTA CTCTAGCGGA ACGTAAGTTC GACTACCATC	360
	GACGCTAAGG GAGCTTAACT TCTGTGTnCG GGCATGGGGG	400
55	(2) INFORMATION FOR SEQ ID NO: 3628:	

(A) LENGTH: 400 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3628:	
10	ATGCTTTCAG CACTIATCCC GTCCACACAT AGCTACCCAC CTATGCCGTT GGCACGACAA	60
	CTGGGTACAC CAGAGGTATG TCCATCCCGG TCCTCTCGTA CTAAGGACAG CTCCTCTCAA	120
	ATTTCCTACG ACCCACGACG GATAGGGACC GAACTGTCTC ACGACGTTCT GAACCCAGCT	180
15	CGCGTACCGC TTTAATGGGC GAACAGCCCA ACCCTTGGGA CCGACTACAG CCCCAGGATG	240
	CGATGAGCCG ACATCGAGGT GCCAAACCTC CCCGTCGATG TGAACTCTTG GGGGAGATAA	300
20	GCCTGTTATC CCCGGGGTAG CTTTTATCCG nTGAGCGATG GGCCTTCCAT GCGGNACCAC	360
20	CGGnTTACTA AGTCCGTCTT TCGAnCCTGC TCGACTTGTA	400
	(2) INFORMATION FOR SEQ ID NO: 3629:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3629:	
25	TITATAAATA TCCCAGTCTG AACGCGATTC CCATAACGGA TCAATGGCAG GATTGAAAGG	60
35	ATGTACATAT GGATGCATAT CCGTTGATGA TAAATCATGT TTTTCATACC AAGTCGCTGC	120
	CGGCAAAACA ATGTCAGAAT ATAACGGTGT TGCCGTCATT CTGAAGTCTA AAGAGACCAC	180
40	TAAATCTAAC TTACCTGTTG TTTCTTCACG CCACGTAATT TCTTCTGGCT TTTCATCTTC	240
	ATTTGGTGTA GCTAATAACC CTGATTTTGT GCCAAGTAAA TGCTTCATAA AGTATTCTTG	300
	ACCITITGCA GAACTIGAAA TTAAGITIGA ACGCCATATA AATAATGATI TIGGATGATI	360
45	CTnTTTCAAA TCAGGATCTT CTATTGCAAA TGGGGTTTGT	400
	(2) INFORMATION FOR SEQ ID NO: 3630:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 589 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TTTAAGTTGT nGATTTAAAA TATTAATAAA GTGTAAATTT GACTATTGAn ATTCKrACAa	60
	ATACATATTA AAATAATATT TGTTGAATTA ATTGAGTTAG GAAATTTATT TTTTAGAAAT	120
5	AAAATAATTA AAAATAATTC TTGACTTACA AAAACTTACG AGTTATAATT AAATCTTGTA	180
	AGTGACAAAC GAACATTGAA AACTGAATGA CAATATGTCA ACGTTAATTC CAAAAACGTA	240
10	ACTATAAGTT ACAAACATTA TTTAGTATTT ATGAGCTAAT CAAACATCAT AATTTTTATG	300
	GAGAGTTTGA TCCTGGCTCA GGATGAACGC TGGCGGCGTG CCTAATACAT GCAAGTCGAG	360
	CGAACGGACG AGAAGCTTGC TTCTCTGATG TTAGCGGCGG ACGGGTGAGT AACACGTGGA	420
15	TAACCTACCT ATAAGACTGG GATAACTTCG GGAAACCGGA GCTAATACCG GATrATATTT	480
	TGAACCGCAT GGTTCAAAAG TGAAAGACGG TCTTGCTGTC ACTTATAGAT GGATCCGCGC	540
	TGCATTAGCT AGTTGGTAAG GTAACGGCTT ACCAAGGCAA CGATGCATA	589
20	(2) INFORMATION FOR SEQ ID NO: 3631:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3631:	
	CCAACTGAGC TAATGGCTCT TCCATGGTGC CGGCCAGAGG ACTTGAACCC CCAACCTACT	60
	GATTACAAGT CAGTTGCTCT ACCAATTGAG CTAGGCCGGC AATATGTAAG AATAAATGGT	120
35	GGAGAATGAC GGGTTCGAAC CGCCGACCCT CTGCTTGTAA GGCAGATGCT CTCCCAGCTG	180
	AGCTAATTCT CCGATTTAAA ACTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTTCG	240
·40	ACTACCATCG ACGCTAAGGA GCTTAACTTC TGTGTTCGGC ATGGGAACAG GTGTGACCTC	300
	CTTGCTATAG TCACCAGACA TATGAATGTA ATTTATACAT TCAAAACTAG ATAGTAAGTA	360
	AAAGTGATTT GCTTCGCAAA ACATTTATTT TGATTAAGTC	400
45	(2) INFORMATION FOR SEQ ID NO: 3632:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3632:

	TTCCACCATT TTTATAAGTC AAACGTTAAC ATGAAGTTAC GTTCTTTTAT AAAAAGATTT	120
	AAACGCGTTA TTAATCTTGT GAGTGTTCTT TCGAACACTA GCGATTATTT CTTATGAATT	180
5	CAAGCTTATT TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA TATnTTACTT	240
	ACTTATCTAG TTTTCAATGT ACAAATAATG GTGGAGACTA GCGGGATCGA ACCGCTGACC	300
10	TCCTGGCGTG CAAAGCAGGC GCTCTCCCAG CTGAGCTAAN GCCCCCANAT AGGTATTAAA	360
	TTAATGGGGG GGCCTAAGTG GACTCGAACC ACCGACCTCA	400
	(2) INFORMATION FOR SEQ ID NO: 3633:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3633:	
25	ATATGTCAAC GTTAATTCCA AAAAACGTAA CTATAAGTTA CAAACATTAT TTAGTATTTA	60
	TGAGCTAATC AAACATCATA ATTTTTATGG AGAGTTTGAT CCTGGCTCAG GATGAACGCT	120
	GGCGGCGTGC CTAATACATG CAAGTCGAGC GAACGGACGA GAAGCTTGCT TCTCTGATGT	180
30	TAGCGGCGGA CGGGTGAGTA ACACGTGGAT AACCTACCTA TAAGACTGGG ATAACTTCGG	240
	GAAACCGGAG CTAATACCGG ATAATATTTT GAACCGCATG GTTCAAAAGT GAAAGACGGT	300
25	CTTGCTGTCA CTTATAGATG GATCCGCGCT GCATTAGCTA GTTGGTAAGG TAACGGCTTA	360
35	CCAAGGCNAC GATGCATAGC CGACCTGAGA NGGTGATCGG	400
	(2) INFORMATION FOR SEQ ID NO: 3634:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3634:	
	TGAGCTAGGC CGGCAATATG TAAGAATAAA TGGTGGAGAA TGACGGGTTC GAACCGCCGA	60
50	CCCTCTGCTT GTAAGGCAGA TGCTCTCCCA GCTGAGCTAA TTCTCCGATT TAAAACTGCC	120
	TGGCAACGTT CTACTCTAGC GGAACGTAAG TTCGACTACC ATCGACGCTA AGGAGCTTAA	180
55	CTTCTGTGTT CGGCATGGGA ACAGGTGTGA CCTCCTTGCT ATAGTCACCA GACATATGAA	240

	TATTTTGATT AAGTCTTCGA TCGATTAGTA TTCGTCAGCT CCACATGTCA CCATGCTTCC	360
	ACCTCGAACC TATTAACCTC ATCATCTTTG AGGGATCTTA	400
5	(2) INFORMATION FOR SEQ ID NO: 3635:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3635:	
	TTGTGACAAT CGCTTGCTTC TTTCCTCTCC TTCGGCTCTC GCTTACTCAT TTAGCTCTAC	60
	TAAACTCGTT GCGCTCTTTT CTCGTTTCGT CAGATTCAAA CGTTTTCACT TCGCCAAGCC	120
20	ATTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAAA GAGACCTTGC	180
	GGTCTCAAAT GCGGCTCATC GCATCCATTT TTTGCCTGGC AACGTTCTAC TCTAGCGGAA	240
25	CGTAAGTTGG GCTACCATCG ACGCTAAGAA CCTTTCTTGA CTTGTGACAA TCGCTTGCTT	300
23	CTTTCCTCTT CTTCGGCTCT CGCTTACTCA TTTAGCTCTA CTAAACTCGT TGCGCTCTTT	360
	TCTCGTTTCG TCAGATTCAA ACGTTTTCAC TTCGCCAAGC	400
30	(2) INFORMATION FOR SEQ ID NO: 3636:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3636:	
40	TACTTATCTA GTTTTCAATG TACAATTTCT TTnTAGTCAA GCGCTCGCAT ACTGATTTTC	60
	AAAAAATCAA ATGCTCATTT ACAAAAGTAA ACTCCGCTTT ATTTTTCTTA ATGCATTGTC	120
45	TAACAACCGC TTTCTTTAAA AAGAATAGAT TGTCAAGCGC TCGCATAAGC AATATCACTT	180
	TAACCAAAAA ATATTTGAAT GTTAAATAAA CATTCAAAAC TGAATACAAT ATGTCACGTT	240
	ATTCCGCATC TTCTGAAGAA GATGTTCCGA ATATATCCTT AGAAAGGAGG TGATCCAGCC	300
50	GCACCTTNCG ATACGGCTAC CTTGTTACGA CTTCACCCCA nTCATTTGTn CCACCTTCGA	360
	CGGCTAGCTC CTAAAAGGTT ACTCCACCGG CTTCGGGTGT	400
	(2) INFORMATION FOR SEQ ID NO: 3637:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3637:	
10	AGCGCTCGCA TAAGCAATAT CACTTTAACC AAAAAATATT TGGAATGTTA AATAAACATT	60
	CAAAACTGnA ATACAATATG TCACATTATT CCGCATCTTC TGAAGAAGAT GTTCCGAATA	120
	TATCCTTAGA AAGGAGGTGA TCCAGCCGCA CCTTCCGATA CGGCTACCTT GTTACGACTT	180
15	CACCCCAATC ATTTGTCCCA CCTTCGACGG CTAGCTCCTA AAAGGTTACT CCACCGGCTT	240
	CGGGTGTTAC AAACTCTCGT GGTGTGACGG GCGGTGTGTA CAAGACCCGG GAACGTATTC	300
20	ACCGTAGCAT GCTGATCTAC GATTACTAGC GATTCCAGCT TCATGTAGTC GAGTTGCAGA	360
	CTACAATCCG AACTGAGAAC CACTTATGGG ATTGCCTnAC	400
	(2) INFORMATION FOR SEQ ID NO: 3638:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3638:	
25	TTCTCCGATT TAAAACTGCC TGGCAACGTT CTACTCTAGC GGAAGTAAGT CGAnCTACCA	60
35	TCGACGCTAA GGAGCTTAAC TTCTGTGTTC GGCATGGGAA CAGGTGTGAC CTCCTTGCTA	120
	TAGTCACCAG ACATATGAAT GTAATTTATA CATTCAAAAC TAGATAGTAA GTAAAAGTGA	180
40	TTTTGCTTCG CAAAACATTT ATTTTGATTA AGTCTTCGAT CGATTAGTAT TCGTCAGCTC	240
	CACATGTCAC CATGCTTCCA CCTCGAACCT ATTAACCTCA TCATCTTTGA GGGATCTTAT	300
	AACCGAAGTT GGGGAAATCT CATCTTGAGG GGGGCTTCAT GCTTAGATGC TTTCAGCACT	360
45	TATCCCGTCC ACACATAGCT ACCCAGCTAT GCCGTTGGCA	400
	(2) INFORMATION FOR SEQ ID NO: 3639:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 551 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	ATGTCTCTAA CGCCTTTAAT AGTATTGAAC ACAATTGGGA AAAAAGCAGC GATAAAAATA	60
	ATCGCAATCG CTGGCAAACT ACCAATACCA AACCATAGAA CAACAAATGG TGCCCATGCT	120
5	ATCGGAGATA TCGGCCTAAT CAATTGAAAT AGCGGTTCGA TAGCGTTGTA TAGCCAACGA	180
	TTCCTTCCAA GCAAGAAGCC CAATGGAATA GCAACCAACA ATGCGACAAC AAAGCCCGCT	240
	ACAAATCTCC ATAAACTAAT TGCTAAATGT TGGAAAATTT CTCCAGTAAC AATGAAAGAC	300
10	CATATACTTT TTCCTACAAG AGCAGGACCC GGTAACAATA CAGGTTGGTA ATGCCCAATA	360
	ATAATGACCA TTTCCCAAAT GCCTAAGAAA aTAATAAATG TGATAATAGG TAATATAAAT	420
15	TTGTTATTTG TGGGACGTGT CATGAACGCG ATGCCTCCTT ATACAATGAC GGTTCAACAA	480
	AGTCATCCAT ATGCAGGTGG ATTAAACAAA TGATGTTGTT TTACCANGTC GTAATTTCCT	540
	GATAGCCGGA T	551
20	(2) INFORMATION FOR SEQ ID NO: 3640:	
25	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3640:	
30	CACTAAACTA AATTAATGAA GTGCCTTATG TATAAAAATT ATAACTTGAT CCAACTTACA	60
	CTACCAATAG AAACTTCTGT TAGAATTCCT CAAATTGATA TTTCGCGATA TGTTAATGAA	120
35	ATTGTTGAAA CGATACCTGA TAGCGAATTC GATAAATTCA GACATCATCG TGGCGCAACA	180
	TCCTATCATC CAAAAATGAT GTTAAAAATC ACCTTATATG CATATACTCA ATCTGTATTT	240
	TCTGGTCGTA GAATAGAGAA ATTACTTCAT GACAGTATTC GAATGATGTG GTTAGCTCAA	300
40	AATCAAACAC CTTCTTATAA AACTATTAAT CGTATTAGAG TGAATCCTAA TACTGATGCG	360
	TTAATTGAAT CTTTATTTAT CCAGTTTCAT AGTCAATGTT	400
	(2) INFORMATION FOR SEQ ID NO: 3641:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 398 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEOUENCE DESCRIPTION: SEQ ID NO: 3641:	

	GATTGTCCTT TGGCAATGGT AGGAGAGCGT TCTAAGGGCG TTGAAGCATG ATCGTAAGGA	120
	CATGTGGAGC GCTTAGAAGT GAGAATGCCG GTGTGAGTAG CGAAAGACGG GTGAGAATCC	180
5	CGTCCACCGA TTGACTAAGG TTTCCAGAGG AAGGCTCGTC CGCTCTGGGT TAGTCGGGTC	240
	CTAAGCTGAG GCCGACAGNG TAGGCGATGG ATAACAGGTT GATATTCCTG TACCACCTAT	300
	AATCGTTTTA ATCGATGGGG GGrCGCATAG GATAGGCGAA CGTTGCGATT GGATTGCACG	360
10	TCTAAGCAGT AAGGCTGGAG TATTAGGCAA ATCCGGTA	398
	(2) INFORMATION FOR SEQ ID NO: 3642:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 439 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3642:	
	TAATGTCTAC ACTTTGCTTG CGATCATTCA TTTTAAAGCC AGACTTTTTA TAATCTTGTA	60
25	CAAATGCTTG CGCTACATCC TTGTGTTGAT CAAGCAATTC CCCTCTCAGT ACTAGCACAC	120
	AGCAATACGC ATCAGGLATA ACGTCATCAC CATGTTTCAA AGTCTTACCT TTGCCTAACT	180
30	TTTCACCCAG TGCACCGAAT GGTTCGGCTA CAGAATACCC TGTAATTCTG TGTTCACTCA	240
	ATGCGGCTGG CATTTCTGCT GGCGACATTT CATGATAGCT AAAATGCCCC GGTTTAATCT	300
	TTAATTGTTT ACGTAATTCC TCAAGTAAAA GATAATGTGL TGAATAACGA TGTGGLATAC	360
35	CAAAATGGKA ATCATCGCCA TTALTATTAA ATTCATTTAA GTGCATACCT TTTTGTCCCA	420
	TAATGACATT GCCTTCATG	439
	(2) INFORMATION FOR SEQ ID NO: 3643:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3643:	
	ATTTCTTATG AATTCAAGCT TATTTAAAAC TCTTTATTCA CTCGGTTTTG CTTGGTAAAA	6 (
50	TCTATATTT ACTTACTTAT CTAGTTTTCA ATGTACAAAT AATGGTGGAG ACTAGCGGGA	120
	TCGAACCGTG ACCTCCTGCG TGCAAAGCAG GCGCTCTCCC AGCTGAGCTA AGCCCCCAAA	180

	GCGTGCGCTC TAACCAGCTG AGCTATAGGC CCATTAATTT GAATGAACAA ACATTCAAAA	300
	CTGAATACAA TATGTCACGT TATTCCGCAT CTTCTGAAGA AGATGTTCCG AATATATCCT	360
5	TAGAAAGGAG GTGATCCAGC CGCACCTTnC GATACGGTTA	400
	(2) INFORMATION FOR SEQ ID NO: 3644:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3644:	
	GCGAAACTGT ACGGAGCAAC GCCGCGTGAG TGATGAAGGT CTTCGGATCG TAAAACTCTG	60
	TTATTAGGGA AGAACATATG TGTAAGTAAC TGTGCACATC TTGACGGTAC CTAATCAGAA	120
20	AGCCACGGCT AACaCGTGCC AGCAGCCGCG GTAATACGTA GGTGGCAAGC GTTATCCGGA	180
	ATTATTGGGC GTAAAGCGCG CGTAGGGGTT TTTTAAGTCT GATGTGAAAG CCCACGGTTC	
		240
25	AACCGTGGAG GGTCATTGGA AACTGGAAAA CTTGAGTGCA GAAGAGGAAA GTGGAATTCC	300
	ATGTGTAGCG GTGAAATGCG CAGAGATATG GAGGAACACC AGTGGCGAAG GCGACTTTCT	360
20	GGTCTGTAAC TGACGCTGAT GTGCGAAACG TGGGGATCA	399
30	(2) INFORMATION FOR SEQ ID NO: 3645:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3645:	
	TATTATACTT TACATTTCTC GTTTCGTCAG ATTCAAACGT TTTCACTTCG CCAAGCCATC	60
	TTTCTTTGTG TTTGCTTTTA TTTTGACGTT TTAGACATAA AAAAAGAGAC CTTGCGGTCT	120
45	CAATGCGGCT CATCGCATCC ACTTTTGCC TGGCAACGTT CTACTCTAGC GGAACGTAAG	180
	ThCGACTACC ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGA ACAGGTGTGA	240
	CCTCCTTGCT ATAGTCACCA GACATATGAA TGTAAATnAT ACATTCAAAA CTAGATAGTA	300
50	AGTAAAAGTG GATTTGCTT CGCAAAACAT TTATTTTGGA TTAAGTCTTC GATCGGATTA	360
	GTATTCGTCA GCTCCACATG TCACCATGGC TTCCACCTCG	400

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 758 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3646:	
10	AGATAAGTAA GTAAAATATA GATTTTACCA AGCAAAACCG AGTGAATAAA GAGTTTTAAA	60
	TAAGCTTGAA TTCATAAATA ATCGCTAGTG TTCGAAAGAC ACGAnCAAGA TTAATAACGC	120
15	GTTTAAATCT TTTTATAAAA GAACGTAACT TCATGTTAAC GTTTGACTTA TAAAAATGGT	180
	GGAAACATAG ATTAAGTTAT TAAGGGCGCA CGGTGGATGC CTTGGCACTA GAAGCCrATG	240
	AAGGACGTTA CTAACGACGA TATGCTTTGG GGAGCTGTAA GTAAGCTTTG ATCCAGAGAT	300
20	TTCCGAATGG GGAAACCCAG CATGAGTTAT GTCATGTTAT CGATATGTGA ATACATAGCA	360
	TATCAGAAGG CACACCCGGA GAACTGAAAC ATCTTAGTAC CCGGAGAAGA GAAAGAAAAT	420
	TCGATTCCCT TAGTAGCGGC GAGCANAACG GGAAGAGCCC AAACCAACAA GCTTGCTtGg	480
25	GGGTmTGTaG GACACTCTAT ACGGATTACA AAGGACGACA TTAGACGAAT CATCTGGaAA	540
	GATGAATCAA AGAAGGTAAT AATCCTGTAG TCGAAAATGT TGTCTCTCTT GAGTGGATCC	600
30	TGAGTACGAC GGAGCACGTG AAATTCCGTC GGAATCTGGG GAGGACCATC TCCTAAGGCT	660
30	AAATACTCTC TAGTGACCGA TAGTGGAACC aGTaCCGTGA GGGAAAGGTg AAAAGCACCC	720
	gGAAgGnAGT TGAAATAGAA ctGGAAACCG TGTGCTTA	758
35	(2) INFORMATION FOR SEQ ID NO: 3647:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3647:	
45	ACAAACTCCG AATGCCAATT AATTTAACTT GGGAGTCAGA ACATGGGTGA TAAGGTCCGT	60
	GTTCGAAAGG GAAACAGCCC AGACCACCAG CTAAGGTCCC AAAATATATG TTAAGTGGAA	120
50	AAGGATGTGG CGTTGCCCAG ACAACTAGGA TGTTGGCTTA GAAGCAGCCA TCATTTAAAG	180
	AGTGCGTAAT AGCTCACTAG TCGAGTGACA CTGCGCCGAA AATGTACCGG GGCTAAACAT	240
	ATTACCGAAG CTGTGGATTG TCCTTTGGnA TGGGTAAGGA GAGCGTTCTA AGGGCGTTGA	300
55		

	AAGACGGGTG AGAATCCCGT CCACCGATTG ACTAAAGGTT	400
	(2) INFORMATION FOR SEQ ID NO: 3648:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 521 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3648:	
15	GTCATTGGAA ACTGGAAAAC TTGAGTGCAG AAGAGGAAAG TGGAATTCCA TGTGTAGCGG	60
	TGAAATGCGC AGAGATATGG AGGAACACCA GTGGnCGAAG GCGACTTTCT GGTCTGTAAC	120
	TGACGCTGAT GTGCGAAACG TGGGGATCAA ACAGGATTAG ATACCCTGGT AGTCCACGCC	180
20	GTAAACGATG AGTGCTAAGT GTTAGGGGGT TTCCGCCCCT TAGTGCTGCA GCTAACGCAT	240
	TAAGCACTCC GCCTGGGGAG TACGACCGCA ANGTTGAAAC TCAAAGGAAT TGACGGGGAC	300
	CCGCACAAGC GGTGGAGCAT GTGGTTTAAT TCGAAGCAAC GCGAAGAACC TTACCAAATC	360
25	TTGACATCCT TTGACAACTC TAGAGATAGA GCCTTCCCCT TCGGGGGACA AAGTGACAAG	420
	TGGTGCATGG TGTCGTCAAC TCCTGTCGTT GAGATGTTGG GGTAAnTCCC CGCAAnGAGC	480
30	GCACCCTTAA GCCTTAGTTT nCATCATTAA GTTGGGCACT C	521
	(2) INFORMATION FOR SEQ ID NO: 3649:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3649:	
	CCAAAGTTCA TCTTTTACGA ATGAGAAATA GGTGTTGCAT ATTCAATGGT CTCATCTTGT	60
	TTATAAAAGC CACCATCTAA ATCACTAATC CATTGTGGTA AGTCTCCAAG TTCGTCTTCC	120
45	ATACGTGTTT TAACACGTTC GTATCCCATT GCATCCCATA ATTGGAATGG ACCAAGTTTC	180
	CAGTTGAACC CCCAGACAAG CGCACGGTCT ATGTCTCGGA AATCATCGGT AGCTTTAGGT	240
50	ACATTGATAG CAGAGTAATA GAAATTATTA CGTAATGTCT CCCATAAAAA TAGTCCCGCT	300
50	TCGTCTTGcG CATTGAATAT GGTATCAAkG TTATGCACTA aGTCTTTATT AAATTCATTT	360
	AAAATTGGTA ATTGTGGTTG CGATACAGGT ACATAATCTT	400
55		

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3650:	
10	GCGATAATAA AAAATAATGG CGGAGGAAGA GGGATTCGAA CCCCCGCGGn CCGTTAAGGC	60
	CCTGTCGGTT TTCAAGACCG ATCCCTTCAG CCGGACTTGG GTATTCCTCC ATTATTATAG	120
15	GTAAATCGCT ATTAATTATA AAATTAAATG GCGGTCTCGA CGGGAATCGA ACCCGCGATC	180
	TCCTGCGTGA CAGGCAGGCG TGTTAACCGC TACACTACGA GACCATTAGT AAAACGGAGG	240
	AAGAGGGATT CGAACCCCCG CGAGCCGTTA AGCCCCTGTC GGTTTTCAAG ACCGATCCCT	300
20	TCAGCCGGAC TTGGGTATTC CTCCAAAATT ATATGGACCT TGCAGGACTC GAACCTGCGA	360
	CCGAACGGTT ATGGAGCCGT TAGCTCTAAn CAACTTGAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3651:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3651:	
35	TGGCGCTGTG CTTTAGTAAA ACTATGGTCA TGTTGCGCTA AATGCAACCA TGCATGGTAA	60
55	AAACTTTGCT CACGCTTCGG CATTGTCCAA CTCGATAGAA ATTGATCGAT ATAAAGTTTC	120
	GTCCATTTAA TCATTTGACG ATTCACTTGT TCGCTAAGTG GCTCACCTTG TTCATCTATT	180
40	ATTGCATCAC TCATCGGACG TACATCATAG TGATGATATG ATTCAGCCAT ATCACGTTTT	240
	GATTTTTCTA ATAGTAGATC AGCAACAACA TCAACATTTG AATGATTCAT ATATGATGGC	300
	AGGTACGTCT TTTAATGTTT TAATGTTATC AATATAAAGA TGATGTAGTG TTGCGGGATA	360
45	TGTAGTGANG TTCAAGTAAC ATATCAGTAA CAAGTTGATT	400
	(2) INFORMATION FOR SEQ ID NO: 3652:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3652:	
	CATTGTCCAA AGGACAATCC ACAGCTTCGG TAATATGTTT AGCCCCGGTA CATTTTCGGC	60
5	GCAGTGTCAC TCGACTAGTG AGCTATTACG CACTCTTTAA ATGATGGCTG CTTCTAAGCC	120
	AACATCCTAG TTGTCTGGGC AACGCCACAT CCTTTTCCAC TTAACATATA TTTTGGGACC	180
	TTAGCTGGTG GTCTGGGCTG TTTCCCTTTC GAACACGGAC CTTATCACCC ATGTTCTGAC	240
10	TCCCAAGTTA AATTAATTGG CATTCGGAGT TTGTCTGAAT TCGGTAACCC GAGAGGGGCC	300
	CCTCGTCCAA ACAGTGCTCT ACCTCCAATA ATCATCACTT GAGGGCTAGC CCTAAAGCTA	360
45	ATTTCGGAGA GAACCAGCTA TCTCCAGGTT CGATGGAATT	400
15	(2) INFORMATION FOR SEQ ID NO: 3653:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3653:	
	GGTTCGGTCC TCCATTCAGT GTTACCTGAA CTTCAACCTG ACCAAGGGTA GATCACCTGG	60
	TTTCGGGTCT ACGACCAAAT ACTAAACGCC CTATTCAGAC TCGCTTTCGC TACGGCTCCA	120
.30	CATTTACTGC TTAACCTTGC ATCAAATCGT AACTCGnCGG TTCATTCTAC AAAAGGCACG	180
	CCATCACCCA TTAACGGGCT CTGACTACTT GTAAGCACAC GGTTTCAGGT TCTATTTCAC	240
25	TCCCCTTCCG GGGTGCTTTT CACCTTTCCC TCACGGTACT GGTTCACTAT CGGTCACTAG	300
35	AGAGTATTTA GCCTTAGGAG ATGGTCCTCC CAGATTCCGA CGGAATTTCA CGTGCTCCGT	360
	CGTACTCAAG NATCCACTCA AGAGAGACAA CATTTTCGAC	400
40	(2) INFORMATION FOR SEQ ID NO: 3654:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3654:	
50	AAAGGTCCTA AATATAATTT TACAACTAAT AAATAGTGGC GGTGGAGGGG ATCGAACCCC	60
	CGACCTCACG GGTATGAACC GTACGCTCTA GCCAGCTGAG CTACACCGCC TTATATAGTT	120

	GCGCTCTCCC AGCTGAGCTA AGCCCCCATA ATAATTACAG TATATCGGGA AGACAGGATT	240
	CGAACCTGCG ACCCCTTGGT CCCAAACCAA GTGCTCTACC AAGCTGAGCT ACTTCCCGTA	300
5	TAATTAACGC GCCCGATAGG AGTCGAACCC ATAACCTCTT GATCCGTAGT CAAACGnTCT	360
	ATCCAATTGA GCTACGGGCG CATATGTTTT TATTGAAAAT	400
	(2) INFORMATION FOR SEQ ID NO: 3655:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3655:	
20	TATTGAAGCC TGAGTCAACA CGTACGCAAA TCGATCAAAT CATCGATGAA GCGAAACATA	60
	CAATTTTAAA TCTGTATGTG TGAATCCAAC ACATGTTAAA TATGCAGCAG AGCnnCTAGC	120
	TGATTCAGAG GTGCTCGTTT GTACGGTAAT AGGATTCCCA TTAGGTGCGT CGACAACTGC	180
25	AACGAAAGCA TTTGAAACAG AAGATGCAAT TCAAAATGGT GCAGATGAAA TTGACATGGT	240
	CATCAACATC GGCGCATTAA AAGATGGACG TTTTGATGAT GTACAACAAG ACATTGAAGC	300
	AGTGGTTAAA GCTGCGAAAG GTCACACAGT AAAAGTGGAT TATTGAGACG GTATTGTTGG	360
30	GACCATGACG AAATTGTAAA AGCGAGTGGA ATTAACCAAA	400
	(2) INFORMATION FOR SEQ ID NO: 3656:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 530 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3656:	
	GATGAGTCGC TGnCTGATCT GAACGCTGTC TGAGnCCGAA CGCTACTGAA CTGAGTCGCT	60
45	GTCTGAGTCT GAATCGCTAT CTGAATCTGA GTCGCTATCT GAGTCTGAGT CGCTGTCTGA	120
	GTCTGAGTCG CTGTCTGAGT CTGAATCGCT ATCTGAATCT GAGTCGCTGT CTGAGTCTGA	180
	GTCGCTATCT GAGTCTGAGT CGCTGTCTGA ATCTGAGTCG CTGTCTGAAT CTGAATCGCT	240
50	GTCTGAGTCT GAATCGCTAT CTGAGTCTGA ATCGCTATCT GAGTCTGAAT CACTGTCTGA	300
	GTCCGAGTCA CTGTCTGAAT CTGACTCACT ATCTGATTCT GAGTCGCTAT CTGATTCTGA	360

	ATCTGAACCT GAGTCGCTGT CTGAGCCTGA AGTCACTGGT CTGAATCCGA ATCCGGATCC	480
	GGGTCTGGGG CTTGGGTTCC GGTTCTGGGT CTGGGACTTG GGTTCTGGGA	530
5	(2) INFORMATION FOR SEQ ID NO: 3657:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3657:	
	GTTTTAACTA CGCAAGACAT CGAAGAAGCT GACGGTGTCA TAATTGCAGC TGATAAACAA	60
	GTTGATCTGT CCCGATTTGT TGGTAAACGG TTGATTAATG AAAATGTTCG CGAAGGGATT	120
20	CATAATCCGA GAGGTCTAAT TCAACGTATC ATTAATCAAG ATGCGCCTAT TTATCAATCT	180
	GAAACAAATT ATCATTCGAA AGATCGCGGT AAGTCTAAAA ATGGTATTCA AATGGTGTAT	240
	CAACATTTAA TGAACGGTGT ATCGTTTATG GTTCCTTTTA TCGTAGTTCG TGGACTCCTT	300
25	ATCGCCATCG CGCTGGACTC TAGGCGGTGA ACGACATCAA AAGGATTAGT CATCCCAGAT	360
	GGATTCATTT TGGGAAATCC ATTGGAAAAC ATTGGGTAGT	400
30	(2) INFORMATION FOR SEQ ID NO: 3658:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 668 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3658:	
40	GAAGAAGTTT ATGAAACGGT TATGAATAAG CCATACACTA GATATCCAGT GTACGAGGGA	60
	GATATTGATA ACATTATTGG GGTGTTTCAT TCTAAATATC TGTTGGCTTG GAGTAATAAA	120
	AAAGAAAATC AAATTACAAA CTATTCAGCT AAGCCATTAT TTGTGAATGA ACACAATAAA	180
45	GCTGAATGGG TATTACGTAA GATGACTATT TCTAGAAAAC ATTTAGCAAT TGTGTTGGAC	240
	GAATTTGGTG GTACTGAAGC GATAGTGTCA CATGAAGACT TAATTGAAGA ATTATTAGGT	300
50	ATGGAAATTG AAGATGAGAT GGATAAAAAG GAAAAAGAAA AACTTTCTCA ACAGCAAATT	360
	CMATTTCAAC AACGGAAAAA TCGCMACGTA TCTATATAAG GNGCGAACAG CTATGTGGTA	420
	ATAAGAATCG ACTTACTCAA ATGTTAAGTA TTGAATATCC AATTATACAA GCAGGTATGG	480

TAGGCGCGGT TACTTTAATA CGCAGCAATT GGAAGATGAA ATAGATTATG GTACGCCAAT  TAACGTCAAA TTCTTTTGGC GTAAATGTUT TTGGTACCAA GTCAACAATC ATATACCAGT  AGTCAAAT  (2) INFORMATION FOR SEQ ID NO: 3659:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA  TTCCTGRATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA  TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACACAACT TATAACAGTA TTTAATGTCA  TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGGG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (1) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGCAATA TGTAAGAATA AATGGTGGAG  AATGACCGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
(2) INFORMATION FOR SEQ ID NO: 3659:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA TICCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TITAATGTCA TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT CTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGTATTG CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG GGATTATTGG CGTTATTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	600
(2) INFORMATION FOR SEQ ID NO: 3659:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA TTCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TITAATGTCA TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG AATGACGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	660
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA TCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA TGGTGGCAGG CTATATTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG GGATTATTGC CGTTATTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGGTCTCACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	668
(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA TTCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660: CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTCACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3659:  AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA  TTCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA  TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA  TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
AAAAGAATGG TAAGTTGAAT AAAGTATTGA AATCAATTGC CAATATCTTT ATACCGTTGA  TTCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA  TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA  TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  BATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
TTCCTGNATT TATTGGAGCT GGATTAATTG GTGGTATTGC AGCAGTACTG AGTAACTTAA  TGGTGGCAGG CTATATTTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA  TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	60
TGGTGGCAGG CTATATTCA GGTGCTTGGA TTACGCAACT TATAACAGTA TTTAATGTCA  TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	120
TTAAAGACGG TATGTTAGCA TACTTAGCTA TTTTCACTGG TATTAATGCG GCTAAAGAAT  TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCCGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	180
TTGGTGCGAC ACCAGGACTT GGTGGCGTGA TTGGTGGTAC AACGTTATTA ACGGGTATTG  CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	240
CTGGTAAAAA TATTTTAATG AATGTCTTCA CTGGAGAACC ATTGCAACCT GGACAANGTG  GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
GGATTATTGG CGTTATTTTG CCGTTTGGAA TTTAAGTAAT  (2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear  (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	300
(2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	360
(2) INFORMATION FOR SEQ ID NO: 3660:  (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	400
(A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double (D) TOPOLOGY: linear  (Xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3660:  CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
CTGAGCTAAT GGCTCTTCCA TGGTGCCGGC CAGAGGACTT GAACCCCCAA CCTACTGATT  ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
ACAAGTCAGT TGCTCTACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG  AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	
AATGACGGGT TCGAACCGCC GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT	60
	120
	180
AATTCTCCGA TTTAAAACTG CCTGGCAACG TTCTACTCTA GCGGAACGTA AGTTCGGACT	240
ACCATCGACG CTAAGGAGCT TAACTTCTGT GTTCGGCATG GGAACAGGTG TGACCTCCTT	300
GCTATAGTCA CCAGACATAT GAATGTAATT TATACATTCA AAACTAGATA GTAAGTAAAA	360
GTGATTTTGn TTTCGCAAAA CATTTATTTT GGATTAAGTC	400

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 400 base pairs
(B) TYPE: nucleic acid

5	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3661:	
10	TGATGTTTGA TTAGCTCATA AATACTAAAT AATGTTTGTA ACTTATAGTT ACGTTTTTTG	60
	GAATTAACGT TGACATATTG TCATTCAGTT TTCAATGTTC ATTITTCTTA CCGACAAGAA	120
	TTAATTATAC ATTITATTAA CATTTAAGTC AATAACTTTT TTTATCTTGT CCATTTTATT	180
15	TTTTAACCAA AATTTGATTA AAAAACTGCC TGGCAACGTT CTACTCTAGC GGAACGTAAG	240
	TTCGACTACC ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGA ACAGGTGTGA	300
20	CCTCCTTGCT ATAGTCACCA GACATATGAA TGTAATTTAT ACATTCAAAA CTAGATAGTA	360
	AGTAAAAGTG ATTTTGCnTC GCAAACATTT ATTTTGATTA	400
	(2) INFORMATION FOR SEQ ID NO: 3662:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 742 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3662:	
	CGCTCAACGT CTGCCTTCGT AATGGCTTTT GTAGAAATTC TAACTAAATA ATTTCGAATG	60
35	CTATCATTGA TTGTTTCAAC AGCTTGATGC TTTTGTTCAA GCTTTTTGAT CAATTTTTTA	120
	TCGTCTTTTG TAATTTCGCG AATGTCTTCA AACATTGATA AGACAATCTG ACCCACATTT	180
40	TGTAATTCTT TTTGAGTTTC TTGTAATGCA ACACCAGGTG CGTGATAAAC AAGATCTTTG	240
40	TTTAAGTGCT GAGGTTTATA GTCATCAGCA ATATCTTTAC CTGGGACAAG CTTTGTAACA	300
	ATCCATGCTA AACCTGCTAC AAATGGTAAT TGAATCAAAG TATTTGTTAT GTTGAAGATA	360
45	CCATGTGATA CTGCAATCGT CATCGCTGGT TTTAAGTGCC ATAAATCTTG TAACAAACTA	420
	ATCAAATGAA TCACAACTGG CAAGAAAATT GTGAAGATAA TTACCCCGAT TAAGTTAAAG	480
	ATGACGTGTA CAAGCGCCGC ACGTTTTGCA GCGATTGAGC CGGCTAAACT AGCTAAGATA	540
50	GCTGTAATCG TGGTACCAAT GTTATCGCCT AGLAACACAG GGATKGCTGC GTTTAAGCTA	600
	ATTAAATCTT GTTGATAAAA TTCTTGTAAA ATACCAATCG TCGCACTTGA ACTTTGAACT	660

	AGCATTAAAT TGGCTTnAAA TC	742
	(2) INFORMATION FOR SEQ ID NO: 3663:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3663:	
15	ATGAATTCAA GCTTATTTAA AACTCTTTAT TCACTCGGTT TTGCTTGGTA AAATCTATAT	60
	TTTACTTACT TATCTAGTTT TCAATGTACA ATTTCTTTTT AGTCAAGCGC TCGCATACTG	120
	CTTTATTTTC AAAAAATCAA ATGCTCATTT ACAAAAGTAA ACTCCGCTTT AATTTTTCTT	180
20	AATGCATTGT CTAACAACCG CTTTCTTTAA AAAGAATAGA TTGTCAAGCG CTCGCATAAG	240
	CAATATCACT TTAACCAAAA AATATTTGAA TGTTAAATAA ACATTCANAA CTGAATACAA	300
	TATGTCACGT NATTCCGCAT CTTCTGAAGA AGATGTTCCG AATATATCCT TAGAAAGGAG	360
25	GTGATCCAGC CGCACCTTCC GATACGGGCT ACCTnGTnAC	400
	(2) INFORMATION FOR SEQ ID NO: 3664:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 636 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3664:	
	· · · · · · ·	60
	AACTAATAGT TCACTTTTAC TTTTTTCTTT TTCATTATTA TCCATTATTT TTTCACCGCC	
40	AAAACGAATT TCATGATGTT AATTTAAATG TTCTATGACA AAATTAAGCA ACGATGTTET	120
	ATATTTATTT CCAACTATGT CTAGATTAAA TITCTAAAAA TAKACATCAT TTAAAAGGAG	180
	CTTGGGACAT AAATCAATGT CCTAGGGTCT ATAATATTAT AKTGCTAGTA GTTGACTGAA	240
45	TGAAAATGCG CTTGCAACAA GCTTTTTTCA ACTCTAGTCA GGGGCCCCAA CACAGAGAAT	300
	TTCGAAAAGA AATTCTACAG GCAATGCGAG TTGGGGTGTG GGCCCCAACA CAGAGAATTT	360
	CGAAAAGAAA TTCTACAGGC AATGCGAGTT GGGGTGTGGG CCCCAACACA GAGAATTTCG	420
50	AAAAGAAATt CTACAGGCAA TGCGAGTTGG GGTGTGGGCC CCAACATAGA GAAATGGATT	480
	CCCAaTTTCT ACAGACAATG CAAGTTGGCG GGGCCCCAAC ACAGAAGCTG ACGAAAAGTC	540

	TACAATAATG nGCAAGTTGG CGGGGnCCCC AACACA	636
	(2) INFORMATION FOR SEQ ID NO: 3665:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 404 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
70		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3665:	
15	TATCATTTCC TGTTGCTAAA ACAACAGCAT GTATGCCATT CATAACACCT TTATTATGTG	60
	TTGCTGCACG ATGAATATCT ACTTGGGCCA ATACAGAAGC ACGTTCCATT CGTTTGGCAA	120
	CCTCTTCTCC AGTTCTCTCG CCCCTTGCTA AATCTTTAAC ATCAATTTCG CCTTGAACTT	180
20	TAACAACGGA CGCTGTTGCA TGATTGGATA AAATACTCAT TAAAATGTCG CTTTGGGAAA	240
	tTCATTTTT AAAAATGCAG TTATGGCCTC TAAAATCGTA TTAAGCATAT TAGCGCCCAT	300
	AGCATCTTTC GTATCAACAA ATACTTTTAA AGATAGTAAC TGtTGCTCAG GYAATGTAKC	360
25	matcgctata cgttggtaac caccaccacg cgctttaata ggaa	404
	(2) INFORMATION FOR SEQ ID NO: 3666:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3666:	
	GTGGTTCCAG TAGCAATTAT TGAACGATAT TAGGCTATCT AGTCGGCATA TTTGTAAAAC	60
40	AAGATCCAAT TAAATATCAA CAGGAATAAC GAATAATATA AAAGAGGTTG GGACATAAAT	120
	CCCTAAAAAA ACAGCAGTAA GATAATTTTC AATTAGAAAA TATCTTACTG CTGTTCTCTA	180
	TTTATACAAT ACTTCGTATT GAATGGCTTC GCTTTCCTAG GGTGCCGTCT CAGCCTCGGT	240
45	CTTCGACTGG CACTGCTCCC TCAGGAGTCT CGCCATTAAT ACTACGTATT AACGTGTAAT	300
	TTTACTTTGA AATACTTTAA AAAAATAAGA CACTTTGCCC AACTTGCACA TAAATGTAAA	360
	ATTCAATAAA ATAAATTTCT GTGTTGGATC CCTnCGTATA	400
50	(2) INFORMATION FOR SEQ ID NO: 3667:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3667:	
	CCAACAAATC TGTCTGTCGC ATCGCCTTTG TCGTTCCAAA TAAATATGTA CAAACGAATC	60
10	CACCAGCATA CGCnCCAAGT AATCCTGCAA TATAACCTAA ATACATATTA TCTGAGATTA	120
	ATGGTAATAG TGACACACCA CTTGGGCCTA TTGCTTTGGC ACCAATATGT CCAATTCCAC	180
	CTATTACAGC GCCACCAATA CCACCACCAA TACAAGCAGT TAAGAAAGGT CGACCTAATG	240
15	GCAAAGTCAC ACCATAGATT AATGGTTCTC CGATACCTAG GGAAACCAAC TGGCAATGCA	300
	CCTTTTAAAG TATTACGTAA TGTTGTGTTG CGGTTTACAT CTTACCCAAA GTGCTAATGC	360
20	GGGCACCTAC TTGGTCCCAG CACCAGCCAT CGCTGCAATT	400
20	(2) INFORMATION FOR SEQ ID NO: 3668:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3668:	
	ACTAAGATGT TTCAGTTCTC CGGGTGTGCC TTCTGATATG CTATGTATTC ACATATCGAT	60
35	AACATGACAT AACTCATGAC TGGGTTTCCC CATTCGGAAA TCTCTGGATC AAAGCTTACT	120
	TACAGCTCCC CAAAGCATAT CGTCGTTAGT AACGTCCTTC ATCGGCTTCT AGTGCCAAGG	180
	CATCCACCGT GCGCCCTTAA TAACTTAATC TATGTTTCCA TCCTACAGGA AACGCGTTAT	240
40	TAATCITGTG AGTGTTCTTT CGAACACTAG CGATTATTTC TTATGAATTC AAGCITATTT	300
	AAAACTCTTT ATTCACTCGG TTTTGCTTGG TAAAATCTAT ATTTTACTTA CTTATCTAGT	360
	TTTCAATGTA CAATTTCTTT TTAGTCAAGC GCTCGCATAA	400
45	(2) INFORMATION FOR SEQ ID NO: 3669:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3669:	

	GAGCGCTACT TACTGGNAGG CGCTGGTGGG ATACTACCCT AGCTGTGTTG GCTTTCTAAC	120
	CCGCACCACT TATCGTGGTG GGAGACAGTG TCAGGCGGGC AGTTTGACTG GGGCGGTCGC	180
5	CTCCTAAAAG GTAACGGAGG CGCTCAAAGG TTCCCTCAGA ATGGTTGGAA ATCATTCATA	240
	GAGTGTAAAG GCATAAGGGA GCTTGACTGC GAGACCTACA AGTCGAGCAn GGTCGAAAGA	300
40	CGGACTTAGT GATCCGGTGG TTCCGCATGG AAGGGCCATC GCTCAACGGA TAAAAGCTAC	360
10	CCCGGGGGAT AACAGGCTTA TCTCCCCCAA GAGTTCACAT	400
	(2) INFORMATION FOR SEQ ID NO: 3670:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3670:	
25	ATACTTTACA TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA GCCATCTTTC	60
	TTTGTGTTTG CTTTTATTTT GACGTTTTAG ACATAAAAAA AGAGACCTTG CGGTCTCAAT	120
	GCGGCTCATC GCATCCACTT TTTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTTCG	180
30	ACTACCATCG ACGCTAAGGA GCTTAACTTC TGTGTTCGGC ATGGGAACAG GTGTGACCTC	240
	CTTGCTATAG TCACCAGACA TATGAATGTA AATTATACAT TCAAAACTAG ATAGTAAGTA	300
	AAAGTGATTT TGCTTCGCAA AACATTTATT TTGATTAAGT CTTCCGATCG ATTAGTATTC	360
35	CGTCAGCTCC ACATGTCACC ATGCTTCCAC CTCCGAACCT	400
	(2) INFORMATION FOR SEQ ID NO: 3671:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3671:	
	CACCCGAAGA TATTGCTCAG ACAAAGTCAT CATATACAGG AAAGTATTTA AAAGAAGTAC	60
50	TTGAACGAGA TAAACAAAAT ACTGAAGATA AATAAGATTA AAAGAAGTGA AGGATGTTAT	120
	AAATTTATCC TTCGCTTCTT TTTATTAATT TAGTAATGAA TAGTAGAAAG AAAAGATGCG	180
	TAAAAAGAAT TATGTTAAGA TAGGGTCAAT CTAGAGTAGT TAAACATAAA TCGAACTGGG	240

	TTAGCCACAG CTATTGTGTA CTTAAAAATA GGAATGCATG AGTGCACCna nAGGNAGAAT	360
	ACTAATTTCC AAAGAAAAAG TATTCCTTAT GTTGGGGCCC	400
5	(2) INFORMATION FOR SEQ ID NO: 3672:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 461 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3672:	
	TGGACCTGTA AAAGGAGACT CGATTGTAGA AAAAGAAGAG ATTCCATTCG AGAAAGAACG	60
	TAAATTTAAT cCTGATTTAG CmCCaGGGAC aGAAAAAGTA mCmAGaGAAG GACaAAAAGG	120
20	TGAGAAGACA ATAACGACAC CAACACTAAA AAATCCATTA ACTGGAGTAA TTATTAGTAA	180
	AGGTGAACCA AAAGAAGAAA TCACAAAAGA TCCGATTAAT GAATTAACAG AATACGGACC	240
	AGAAACGATA ACACCAGGTC ATCGAGACGA ATTTGATCCG AAGTTACCAA CAGGAGAGAA	300
25	AGAAGAAGTT CCAGGTAAAC CAGGAATTAA GAATCCAGAA ACAGGAGACG TAGTTAGACC	360
	ACCGGTCGAT AGCGTAACAA AATATGGACC TGTAAAAGGA GACTCGATTG TAGAAAAAAGA	420
30	AGAGATTCCA TTCAAAACGT AAATTTAATC CGGATTTAGC A	461
.,,	(2) INFORMATION FOR SEQ ID NO: 3673:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3673:	
	CTTATGAATT CAAGCTTATT TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA	60
	TATTTTACTT ACTTATCTAG TTTTCAATGT ACAAATAATG GTGGAGACTA GCGGGATCGA	120
45	ACCGCTGACC TCCTGCGTGC AAAGCAGGCG CTCTCCCAGC TGAGCTAAGC CCCCAAANAG	180
	GTATTAAATT AATGGGGGGC CTAAGTGGAC TCGAACCACC GACCTCACGC TTATCAGGCG	240
50	TGCGCTCTAA CCAGCTGAGC TATAGGCCCA TTAATTTGAA TGAACAAACA TTCAAAACTG	300
- =	AATACAATAT GTCACGTTAT TCCGCATCTT CnGAAGAAGA TGTTCCGAAT ATATCCTTAG	360
	AAAGGAGGTG ATCCAGCCGC ACCTTCCGAn ACGGCTACCT	400

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3674:	
10	ACATGAAGAC TTAATTGAAG AATTATTAGG TATGGAAATT GAAGATGAGA TGGATAAAAA	60
	GGAAAAAGAA AAACTTTCTC AACAGCAAAT TCAATTTCAA CAACGGAAAA ATCGCAACGT	120
15	ATCTATATAA GGAGCGAACA GCTATGTGGG AATAAGAATC GACTTACTCA AATGTTAAGT	180
	ATTGAATATC CAATTATACA AGCAGGTATG GCAGGAAGTA CGACACCGAA ATTAGTTGCA	240
	TCAGTAAGTA AACAGTGGTG GGTTAGGCAC AATAGGCGCG GTTACTTTAA TACGCGCCAA	300
20	TTGGANGATG GANATNGATT ATGTACGCCA TTAACGTCAA ATTCTTTTGG CGTAAATGTC	360
	TTTGTACCAA GTCAACAATC ATATACCAGT AGTCCAAATT	400
	(2) INFORMATION FOR SEQ ID NO: 3675:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3675:	
35	AGCTAGGCCG GCAATATGTA AGAATAAATG GTGGAGAATG ACGGGTTCGA ACCGCCGACC	60
	CTCTGCTTGT AAGGCAGATG CTCTCCCAGC TGAGCTAATT CTCCGATTTA AAACTGCCTG	120
	GCAACGTTCT ACTCTAGCGG AACGTAAGTT CGACTACCAT CGACGCTAAG GAGCTTAACT	180
40	TCTGTGTTCG GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGAATG	240
	TAATTTATAC ATTCAAAACT AGATAGTAAG TAAAAGTGAT TTTGCTTCGC AAAACATTTA	300
45	TTTTGATTAA GTCCTCGTCG TTAGTATTCG TCAGCTCCAC ATGTCACCAT GCTTCCACCT	360
45	CGGACCTATT AACCTCATCA ACCTTGAGGG nTCTTATAAA	400
	(2) INFORMATION FOR SEQ ID NO: 3676:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3676:	
	TGGACAATGG TAGGAGAGCG TTCTAAGGGC GTTGAAGCAT GATCGTAAGG ACATGTGGAG	60
5	CGCTTAGAAG TGAGAATGCC GGTGTGAGTA GCGAAAGACG GGTGAGAATC CCGTCCACCG	120
	ATTGACTAAG TTTCCAGAGG AAGGCTCGTC CGCTCTGGGT TAGTCGGGTC CTAAGCTGAG	180
10	GCCGACAGCG TAGGCGATGG ATAACAGTTG ATATTCCTGT ACCACCTATA ATCGTTTTAA	240
10	TCGATGGGGG GACGCATAGG ATANGCGAAN GTGCGATTGG ATTGCACGTC TAAGCAGTAA	300
	GGCTGAGTAT TAGGCAAATC CGGTACTCGT TAAGGCTGAG CTGTGATnGG GAGAAGACAT	360
15	TGAGTCTTCG AGTCGTTGAT TTCACACTGC CGAGAAAAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3677:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3677:	
	AAAGCGCCAC ATGGTGCCAA GTCTGGAGTT AATCCAGCAA TTGCTTGTTT TAAGCTATTA	60
30	TATTTTCTT CTACTTTTGT TTTTTCTGCG GCAATTTGTT GGTCAGTCGC ATCACCATTG	120
	TTAATAACAT TTTGTGCATT TGTTGATTCT GTTTGACCCG CACGTTTAGC ATTTTCATAT	180
	GCTTGGATTG ATGATTGTGT CATACCATCA GTAGTTACTG ATTTATTGAT TTCTTCATCA	240
35	AGTTTCGTCT TAGCAGTTTT TAAAGCACTA TTATCAGCTA AAGGTACTAA TTGGATTAAT	300
	TGCTTGCGTT AATCGCTCAT TGACACGATT TACATTTGTT AACGCAGATT GCACTTCTTG	360
	TACTGTTCTT AATGGGCTTT TGGAATAATA GCATTAGCGC	400
10	(2) INFORMATION FOR SEQ ID NO: 3678:	
<b>1</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 648 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3678:	
	ACAGTCAATT GnTCTACCAA TTGAGCTAGG CCGGTTAAGA AATGGTTCCA GGACAGAGTC	60
	GAATGCCGAC ACATGGAGCT TCAATCCATT GCTCTAACCA ACTGAGCTAC TGAACCATAA	120

	AGGCGTGTTA ACCGCTACAC TACGAGACCT ATAAAATATT GCGGGAGGCG GATTTGAACC	240
	ACCGTACTTC GGGTTATGAG CCCGACGAGC TACCGAACTG CTCCATCCCG CGATAATAAA	300
5	AAATAATGGC GGAGGAAGAG GGATTCGAAC CCCCGCGGCC CGTTAAGGCC tGTCGGTTTT	360
	CAAGACCGAT CCCTTCAGCC GGACTTGGGT ATTCCTCCAT TATTATAGGT AAATCGCTAT	420
10	TAATTATAAA ATTAAATGGC GGTCTCGACG GGAATCGAAC CCGCGATCTC tGCGTGACAG	480
	GCAGGCGTGT TAAYCGCTAC ACTACGAGAC CATTAGTAAA ACGGAGGAAG AGGGATTCGA	540
	ACCCCCGCGA GCCGTTAAGC CCCTGTCGGT TTTCAAGACC GATCCCTTCA GCCGGGACTT	600
15	GGGGTATTCC TCCAAAATTA TATGGGACCT TGCAGGACTC GAACCTGC	648
	(2) INFORMATION FOR SEQ ID NO: 3679:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3679:	
	CTGATCCCGT TGTGCTTCAC ACCCGATAGA TAGGGATTTA CAGATAAATT CAGGTCTCTT	60
	CCACGTCATA TTTGGACCCA TCGAAAATTC GGGTTCTCAA ATCATCGAAC ATAACAAAAG	120
30	AAGCTAAGCA ACATGTAGGC CGTTGTCACT TAACTTCTTG TTTTTCCGAT GACAGCTTCT	180
	ATTTAGAGAA TGTCATGATT ATTTTATATT CACTTCAATG TTATCAATAT TAGTGCCATC	240
35	TATGACATCT GCCATGCGAT TTTCTTGTAA TTTTTTGTGC AATTCAAACG TGTACTTTCC	300
36	ACCGTTTTC ATTTAATAA CAATTTTACC TGAACCAACG TTACCGTACA GATTATTTT	360
	TTCAATAAGT TGTTTTCTCA ATTTAAAATC AAGTTCTTTC	400
40	(2) INFORMATION FOR SEQ ID NO: 3680:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3680:	
30	TCAATGCGGC TCATCGCATT CATTTCTTGT CTAGCAACGT TCTACTCTAG CGGAAnTAAG	60
	TTAGCTACCA TCCTCGCTAA GAACCTTTCT TGACTTGTGA CAATCGCTTG CTTCTTTCCT	120
55		

	TCGTCAGATT CAAACGTTTT CACTTCGCCA AGCCATTTTT CTTTGTGTTT ACTTTTATT	240
	TTGACGTTTT AGACATAAAA AAAGAGACCT CACGGTCTCA ACTTGCCTGG CAACGTTCTA	300
5	CTCTAGCGGA AGTAAGTTGG CTACCATCGT CGCTAAAGAC CTTTCTTGAC TTGTGACAAT	360
	CGCTTGGCTT CTnTCCTCTC CTTCGGnTCT CGGCTTACTC	400
10	(2) INFORMATION FOR SEQ ID NO: 3681:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3681:	
20	TCTTTCCTCT CCTTCGGCTC TCGCTTACTC ATTTAGCTCT ACTAAACTCG TTGCGCTCTT	60
	TTCTCGTTTC GTCAGATTCA AACGTTTTCA CTTCGCCAAG CCATTTTTCT TTGTGTTTAC	120
25	TTTTTATTTT GACGTTTTAG ACATAAAAAA AGAGACCTCA CGGTCTCAAC TTGCCTGGCA	180
23	ACGTTCTACT CTAGCGGAAC GTAAGTTGGC TACCATCGTC GCTAAAGACC TTTCTTGACT	240
	TGTGACAATC GCTTGCTTCT TTCCTCTCCT TCGGCTCTCG CTTACTCATT TAGCTCTACT	300
30	AAACTCGTTG CGCTCTTTTC TCGTTTCGTC AGATTCAAAC GTTTTCACTT CGCCAAGCCA	360
	TTTTTCTTTG TGGTTTACTT TTTATTTTGA CGGTTTAGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3682:	
35 40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 414 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3682:	
	TTGAACATGT TGAATCTAAT GAAATTCTTG TTCGTCGTCT AGTTGAAGAG AACGGCGTTG	60
45	AGCATGAAGG TGAATTAGAT CGCTATCCAT TAGCTAAATT TAAACGTTCA AACTCAGGTA	120
		180
	CATGTTACAA CCAACGTCCA ATCGTTGCAG TTGGAGATGT TGTTGAGTAT AACGAGATTT	24(
50	TAGCAGATGG ACCATCTATG GAATTAGGAG AAATGGCATT AGGTAGAAAC GTATAGTTGG	300
	TTTCATGACT TGGGACGGTT ACAACTATGA GGATGCCGTT ATCATGAGTG AAAGACTTGT	360
	GAAAGATGAC GTGTATACTT CTATTCATAT TGAAGAGTAT GAATCAGAAG CACGTGATAC	301

(2) INFORMATION FOR SEQ ID NO: 3683:

55

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3683:	
	TTGGAATTTC TCCGCTACCC TCAGTTCATC CGCTCACTTT TCAACGTAAG TCGGTTCGGT	60
15	CCTCCATTCA GTGTTACCTG AACTTCAACC TGACCAAGGG TAGATCACCT GGTTTCGGGT	120
	CTACGACCAA ATACTAAACG CCCTATTCAG ACTCGCTTTC GCTACGGCTC CACATTTACT	180
	GCTTAACCTT GCATCAAATC GTAACTCGCC GGTTCATTCT ACAAAAGGCA CGCCATCACC	240
20	CATTAACGGG CTCTGACTAC TTGTAAGCAC ACGGTTTCAG GTTCTATTTC ACTCCCCTTC	300
	CGGGGTGCTT TTCACCTTTC CCTCACGGTA CTGGGTTCAC TATCGGTCAC TANGAGAGTA	360
	TTTAAGCCTT ANGAGATGGT CCTCCCAGAT TCCCGACGGG	400
25	(2) INFORMATION FOR SEQ ID NO: 3684:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 528 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3684:	
	GATHTATGAT GAAAAACTAT CTGACTGCTG TTTCACTTTT TATAAGACTT CTGAATGTCT	60
	TCACTTATAC TTCTAGTCAC AGATTMAAAT AATCAAAAGT GCACATTATT AAAATATCAA	120
40	TTTCACACTC AATGCGGCTC ATCGCATTCA TTTCTTGTCT AGCAACGTTC TACTCTAGCG	180
	GAACGTAAGT TAGCTACCAT CCTCGCTAAG AACCTTTCTT GACTTGTGAC AATCGCTTGC	240
	TTCTTTCCTC TCCTTCGGCT CTCGCTTACT CATTTAGCTC TACTAAACTC GTTGCGCTCT	300
45	TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA GCCATTTTTC TTTGTGTTTA	360
	CTTTTTATTT TGACGTTTTA GACATAAAAA AAGAGACCTC ACGGTCTCAA CTTGCCTGGG	420
50	CAACGTTCTA CTCTAGCGGA ACGTAAGTTG GCTACCATCG TCGCTAAAGA CCTTTCTTGA	480
- <del>-</del>	CTTGTGACAA TCGCTTGCTT CTnTCCTCTC CTTCGGCTCT CGGTTACT	528
	(2) INFORMATION FOR SEQ ID NO: 3685:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3685:	
10	AAATTATGGT CGATTGCGAA TGATTTAAGA GGGANCATGG ATGCGAGTGA ATTCCGTAAT	60
	TACATTTTAG GCTTGATTTT CTATCGCTTC TTATCTGAAA AAGCCGAACA AGAATATGCA	120
	GATGCCTTGT CAGGTGAAGA CATCACGTAT CAAGAAGCAT GGGCAGATGA AGAATATCGT	180
15	GAAGACTTAA AAGCAGAATT AATTGATCAA GTCGGTTACT TCATTGAGCC ACAAGATTTA	240
	TTCAGTGCGA TGATTCGTGA AATTGAAACG CAAGATTTCG ATATAGAGCA TCTAGCGACG	300
	GCGATTCGCA AAGTTGAAAC ATCTACATTA GGTGANGAAA GTGAAAATGN CTTTATCGGG	360
20	CTGTTCAGCG ATATGGATTT GAGTTCAACG CGGCTAGGTA	400
	(2) INFORMATION FOR SEQ ID NO: 3686:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 403 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3686:	
	TTAAATTATT GGTCTATCGG TTCTTGGGGT GGCCATGGTA TCTGTTCACT CTTCGGTGGT	60
35	GCAGTTGCGA CAACTATGGG TTGGAGATGG ATTTTCATCT TCTCAATTAT CGTTGCCGTA	120
	CTTTCAATGT TACTCATCAA AGGGACGCCT GAAACGAAAT CAGAAATTAC CAATACACAT	180
40	AAATTTGACG TTGCAGGGCT AATTGTTCTA GTAGTTATGT TGCTAAGTTT AAACGTTGTC	240
,,,	ATTACTAAAG GTGCAGCACT TGGTTACACA TCATTATGGT TCTTTGGTTT GATTGCAATC	300
	GTAATTGTAG CATTCTTAAT TTTCTTAAAT GTTGAGAAAA AAGTAGATAA TCCACTTATT	360
45	GATTTTAAAT TATTGAAAAT AAACCATATA CAGGTGCAAC GGT	403
	(2) INFORMATION FOR SEQ ID NO: 3687:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 449 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TATGAGCCCG ACGAGCTACC GAACTGCTCC ATCCCGCGAT AATAAAAAAT AATGGCGGAG	60
	GAAGAGGGAT TCGAACCCCC GCGGCCCGTT AAGGNCCTGT CGGTTTTCAA GACCGATCCC	120
5	TTCAGCCGGA CTTGGGTATT CCTCCATTAT TATAGGTAAA TCGCTATTAA TTATAAAATT	180
	AAATGGCGGT CTCGACGGGA ATCGAACCCG CGATCTCCTG CGTGACAGGC AGGCGTGTTA	240
	ACCGCTACAC TACGAGACCA TTAGTAAAAC GGAGGAAGAG GGATTCGAAC CCCCGCGAGC	300
10	CGTTAAGCCC CTGTCGGTTT TCAAGACCGA TCCCTTCAGC CGGACTTGGG TATTCCTCCA	360
	AAATTATATG GACCTTGCAG GACTCGAACC TGCGACCGAA CGGTATGAGC CGTAGCnCTA	420
15	ACCACTGGGC TAAAGTCCTA ATATAATTT	449
, ,	(2) INFORMATION FOR SEQ ID NO: 3688:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3688:	
	AAAACGTCGT AATATGCAAA TTGAAGGTGC CAAGGTTGTT ATTCAAGGTT TCNATAATGC	60
	CGGAAGTTTC TTAGCTAAAT TCTTATATGA TTTAGGTGCA AAAATTGTAG GTATCTCTGA	120
30	TGCTTACGGT GCATTACACG ATCCAAATGG CTTAGATATA GATTATTTAT TAGACCGTCG	180
	AGATAGTTTT GGTACGGTAA CAAATTTATT TGAAGAAACA ATCTCAAATA AAGAATTGTT	240
35	TGAATTAGAT TGTGACATTT TAGTACCAGC GGCTATTTCA AACCAAATTA CAGAAGACAA	300
	TGCACATGAT ATTAAAGCTA GTATCGTTGT TGAAGCTGCT AATGGACCTA CAACACCAGA	360
	AGCAACACGT ATTTTAACTG AACGTGGTAT ATTATTAGTT	400
40	(2) INFORMATION FOR SEQ ID NO: 3689:	
<b>4</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3689:	
50	CACGCTTATC AGGCGTGCGC TCTAACCAGC TGAGCTATAG GCCCATTAAT TTGAATGAAC	60
	AAACATTCAA AACTGAATAC AATATGTCAC GTTATTCCGC ATCTTCTGAA GAAGATGTTC	120

	CGACTTCACC CCAATCATTT GTCCCACCTT CGACGGCTAG CTCCTAAAAG GTTACTCCAC	240
	CGGCTTCGGG TGTTACAAAC TCTCGTGGTG TGACGGGCGG TGTGTACAAG ACCCGGGAAC	300
5	GTATTCACCG TAGCATGCTG ATCTACGATT ACTAGCGATT CCAGCTTCAT GTAGTCGAGT	360
	TGCAGACTAC AATCCGAACT GAGAACNACT TTATGGGGAA	400
	(2) INFORMATION FOR SEQ ID NO: 3690:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 553 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3690:	
20	GCnGCGTTTT AGGCCCATTC GGTTACCCCC nTTCCATAAA TGGTGCCCGG CCAGAGGACT	60
	TGAACCCCCC AACTTACTGA TTACAAGTCA GTTGCTCTAC CAATTGAGCT AGGCCGGCTA	120
	AGAAATGGTT CAGGACAGAG TCGAACTGCC GACACATGGA GCTTCAATCC ATTGCTCTAC	180
25	CAACTGAGCT ACTGAACCAT AATAAAAATG TAATGATGGC GGTCTCGACG GGAATCGAAC	240
	CCGCGATCTC tGCGTGACAG GCAGGCGTGT TAACCGCTAC ACTACGAGAC CTATAAAATA	300
	TTGCGGGAGG CGGATTTGAA CCACCGACLT CGGGTTATGA GCCCGACGAG CTACCGAACT	360
30	GCTCCATCCC GCGATAATAA AAAATAATGG CGGAGGAAGA GGGATTCGAA CCCCCGCGGC	420
	CCGTTAAGGC CCTGTCGGTT TTCAAGACCG ATCCCTTCAG CCGGACTTGG GTATTCCTCC	480
35	ATTATTATAG GTANATCGCT ATTAATTATA ANATTAAAAT GGCGGTCTCG ACGGGAATCG	540
	AACCCGCGGA TCT	553
	(2) INFORMATION FOR SEQ ID NO: 3691:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3691:	
	TCAATGCGGC TCATCGCATC CATTTTTTGC CTGGCAACGT TCTACTCTAG CGGAACGTAA	60
50	GTTGGCTACC ATCGACGCTA AGAACCTTTC TTGACTTGTG ACAATCGCTT GCTTCTTTCC	120
	TCTTCTTCGG CTCTCGCTTA CTCATTTAGC TCTACTAAAC TCGTTGCGCT CTTTTCTCGT	180

	TTTGACGTTT TAGACATAAA AAAAAGAGAC CTTGCGGTCT CAATGCGGCT CATCGCATCC	300
	ATTTTTTGCC TGGCAACGTT CTACTCTAGC GGAACGTAAG TTCGGACTAC CATCGACGCT	360
5	AAGGGAGCTT AACTTTCTGT GTTCGGGCAT GGGGAACAGG	400
	(2) INFORMATION FOR SEQ ID NO: 3692:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 410 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	( ) PROVENCE PROGRESSION OF A NO. 1602	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3692:	
	TCGAATACTG TCATGAAGTA ATTTCTCTAT TCTACGACCA GAAAATACAG ATTGAGTATA	60
20	TGCATATAAG ATGTTTTTAA CATCATTTTT GGATGATAGG ATGTTGCACC ACGATGATGT	120
	CTGAATTCAT CGAATTCCTA TCAGGTATCG TTTCAACAAT TTCATTAACA TATCGCGAAA	180
	TATCATTTTG AGAATTCTAA CGANTTTCCT ATTGGTAGTG TAAGTTGGGG TCATGTTATA	240
.25	ATTTTTATAC ATAAGGCACC TCTTTAATTT AGTTTAGTAG TATTTATTAA ATTATACGAG	300
	GGACCCAACA CAGAAAATTC ATTTTATTGa ATTTTACATT TATGTGmCAA GTTGGGAAAA	360
	ATGTCTTATT TTTTCAAAGT ATTTAAAAGT AAAATTACAT GTTAATACGT	410
.30	(2) INFORMATION FOR SEQ ID NO: 3693:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3693:	
	ACTTCATATA ATTTATGAAA TAAACCTGTC AATTTTGGAT TGATTATGCT TTGTGATTCT	60
	TTTTATTTCT GCGTAATAAC GCTAAACCTA AAATGCTAAA TAATCCGCCG AACAACATGC	120
45	CGTTGTTTGT TGATTCTTCT CCACCTGTTT CAGTAGTTCA GATTTCTTAG ATTGTGCTTT	180
	TTTAGTTGGT ACCACTGCTT TAACCTTTTC ATTGATTTCA ATAACAGGTG TTACTACTTT	240
	ACCTTGTTCC ACTGGTTTAG AAGGTTTTTT AGGTTCTTCT TTAGCAGGTG GTaTTGGTTT	300
50	ACCAGGTTCA GTTGGTACCT CTGGCGTTGG CGGTGTTGGT GTTTCCGGCT CGCTTGGTAC	360
	TTCTGGTGTC GGTGTTTG GGTGTTTnCC GGCTTCGCTT GGTACTTCTG GGTGTTCGGT	420

(2) INFORMATION FOR SEQ ID NO: 3694:

55

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3694:	
	GCATCGTTGC CTTGGTAAGC CGTTACCTTA CCAACTAGCT AATGCAGCGG GAGTCCATCT	60
15	ATAAGTGACA GCAAGACCGT CTTTCACTTT TGAACCATGC GGTTCAAATm ATTATCCGGT	120
	ATTAGCTACG GTTTCCCGAA GTTATCCCAG TCTTATAGGT AGGTTATCCA CGTGTTACTC	180
	ACCCGTCCGC CGCTAACATC AGAGAAGCAA GCTTCTCGTC CCGTTCGCTC GACTTGCATG	240
20	TATTAGGCAC GCCGCCAGGT TCCATCCTGA GCCAGGATCA AACTCTCCAT AAAAATTATG	300
	ATGTTTGATT AGCTCATAAA TACTAAATAA TGTTTGTAAC TTATAGTTAC GTTTTTTGGG	360
	AATTAACGTT GGACATATTG TCATTCCAGT TTTCAATGTT	400
25	(2) INFORMATION FOR SEQ ID NO: 3695:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3695:	
	ACCTAATATA TAGACAGGTT CATCACTTAA TGACTTTGCA AGTTCGGCAA TGTCCTGTGC	60
	GTCGCGTTTG ACACGATAAT CACTGTCAGG GTTTGAAGCG GAATCAGGGA GTGGTTCAGT	120
40	TAACTCGCTT TCTCCATAAT CACGACGATC AACGGCTACA ACAGTAAAAT GGTCTTTTAA	180
	CTGTTCTGCA AGAGGCAGAA AAATGTCTCC GGTACCGTTT GCACCAGGAA TAAAGATGAG	240
	CACGGGTCCT TGTCCGACTT GGTGGTATCG TAATTTAGCG CCTTGTAATT CTAAAGTTTC	300
45	CATATTCAAT GACCTCCATT TGTTAATTGT TAGGTGATAA ACCTAATAAT TTAGCACCAT	360
	TTGGTATAAC TTAATTTCnC CTTTTCCTTC ATCnGGTTAA	400
50	(2) INFORMATION FOR SEQ ID NO: 3696:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3696:	
5	TTCTTTCTCT TCCTCCGGGT ACTAAGATGT TTCAGTTCTC CGGGTGTGCC TTCTGATATG	60
5	CTATGTATTC ACATATCGAT AACATGACAT AACTCATGCT GGGTTTCCCC ATTCGGAAAT	120
	CTCTGGATCA AAGCTTACTT ACAGCTCCCC AAAGCATATC GTCGTTAGTA ACGTCCTTCA	180
10	TCGGCTTCTA GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT ATGTTTCCAC	240
	CATTTTTATA AGTCAAACGC TCACATACGG CTTCGTTTTC ATTATTTTAA ATGCTCATTT	300
	ACATAAGTAA ACTCTGCTTT AAAATAATTT AACTCATTGT CTGCTAAACG TTTTCTTTTA	360
15	TAAAAAGATT TAAACGCGTT GATTAAnCTG TGAGTGTTCT	400
	(2) INFORMATION FOR SEQ ID NO: 3697:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3697:	
	CACTITIACC AAAAAATATT TGAATGTTAA ATAAACATTC AAAACTGAAT ACAATATGTC	60
	ACGITATICC GCATCITCTG AAGAAGATGT TCCGAATATA TCCTTAGAAA GGAGGTGATC	120
30	CAGCCGCACC TTCCGATACG GCTACCTTGT TACGACTTCA CCCCAATCAT TTGTCCCACC	180
	TTCGACGGCT AGCTCCTAAA AGGTTACTCC ACCGCTTCG GGTGTTACAA ACTCTCGTGG	240
35	TGTGACGGC GGTGTGTACA AGACCGGGA ACGTATTCAC CGTAGCATGC TGATCTACGA	300
55	TTACTANCGA TTCCANCTTC ATGTAGTCGA GTTGCAGACT ACAATCCGAA CTGAGAACAA	360
	CTTTATGGGA TTTGCTTGAC CTCGCGGTTT CGCTnCCCTT	400
40	(2) INFORMATION FOR SEQ ID NO: 3698:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3698:	
	AAGGGAATCG AATTTTCTTT CTCTTCCTCC GGGTACTAAG ATGTTTCAGT TCTCCGGGTG	60

	CCCCATTCGG AAATCTCTGG ATCAAAGCTT ACTTACAGCT CCCCAAAGCA TATCGTCGTT	180
	AGTAACGTCC TTCATCGGCT TCTACTCCCA AGGCATCCAC CGTGCGCCCT TAATAACTTA	240
5	ATCTATGTTT CCATCCTACA GGAAACGCGT TATTAATCTT GTGAGTGTTC TTTCGAACAC	300
	TAGCGATTAT TTCTTATGAA TTCAAGCTTA TTTAAAACTC TTTATTCACT CGGTTGTGCT	360
	TGGnAAAATC TATATTTTAC TTACTTATCT AGGTTTCAAT	400
10	(2) INFORMATION FOR SEQ ID NO: 3699:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3699:	
	TTTATGGCAT ACACGCATCA TAATACAGCC CAACACCACT AATGGTGCAG TTGCAAATCC	60
	AAATTCTTCC GCTCCAAGCG CACATGCGTA CGCTACATCT TTACCAGTTA ATAACTTACC	120
25	GTCTGTTTCT AACTTAACAC GACTTCTTAA GTCATTTAGT TTTAATGTTT GATGTGTTTC	180
	TGCTAAACCA ATCTCCCAAG GAACACCGGC ATGCTGAATA CTCGTTTTGG GTGAAGCCCC	240
	TGTANCACCA TCGTAACCAC TGATGACAAT TTTATCTGCA AATGCTTTTG CCACCCCAGA	300
30	TGCAATGGTA CCAACACCTG TTTTCGAAAC TAATTTTACC GCGATATCTG CATCTTTATT	360
	CGCATTTTC AAATCATGTA TCAGTTGCGC TAAATCTTCT	400
35	(2) INFORMATION FOR SEQ ID NO: 3700:	
00	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3700:	
45	CGACGTACCA TCGACGCTAA GGAGCTTAAC TTTCGTGTGT TCGGCATGGG AACAGGTGTG	60
	ACCTCCTTTG CTATAGTCAC CAGACATATG AATGTAATTT ATACATTCAA AACTAGATAG	120
	TAAGTAAAAG TRATTTTGCT TCGCAAAACA TTTATTTTGA TTAAGTCTTC GATCGATTAG	180
50	TATTCGTCAG CTCCACATGT CACCATGCTT CCACCTCGAA CCTATTAACC TCATCATCTT	240
	TGAGGGATCT TATAACCGAA GTTGGGAAAT CTCATCTCNC GGGGGGCTTC ATGCTTAGAT	300

	GGTACACCAG AGGTATGTCC ATCCCGGTCC TCTCGTACTA	400
	(2) INFORMATION FOR SEQ ID NO: 3701:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3701:	
	AACCAAGCCC AATAATGGAC TGGCCGCCTA ATAATAAAAG CTCTAAAAGT TGTATTTTAA	60
15	AAATAGTTCT TTAAATTATA TACCCACCAC ATTTGGTGGA GAACCTAAAA AAAAGCACTT	120
	CCCAAAAATG GAAAGTGCAA GTAGTGAGCC ATAGAGGATT CGAACCTCTG ACCCTCTGAT	180
	TAAAAGTCAG ATGCTCTACC AACTGAGCTA ATGGCTCTAA TGGCTGGGCT AGCTGGATTC	240
20	GAACCAACGA GTGACGGAGT CAAAGTCCGT TGCCTTACCG CTTGGCTATA GCCCAATATA	300
	TAGATGGTGG AGGGGGGCAG ATTCGAACTG CCGAACCCGA AGAGCGGnTT TACAGTCCGC	360
25	CGCGTTTAGC CANTTCGNTA CCCCTCCAGN TTATTCATAT	400
	(2) INFORMATION FOR SEQ ID NO: 3702:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3702:	
	TTTAAGTCCT GTGCGTCTGC CAGTTCCGCC ACCCCGGCAC TATAAAAATG GAGCAGAAGA	60
40	CGGGATTCGA ACCCGCGACC CCAACCTTGG CAAGGTTGTT ATTCTACCGC TGAACTACTT	120
	CTGCATATGC GGGTGAAGGG AGTCGAACCC CCACGCCGTA AGGTTAGATC CTAAGTCTAG	180
	TGCGTCTGCC AATTCCGCCA CACCCGCAAA TGGTGAGCCA TAGAGGATTC GAACCTCTGG	240
45	ACCCTCTGGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT AATGGGCTCT TCCATGGTGC	300
	CGGCCAGAGG ACTTGGAACC CCCAACCTAC TGGATTACAA GTCAGTTGGC TCTACCAATT	360
	GANGCTAAGG CCGGCAATAT GTTAAGNATN AATGGTGGAG	400
50	(2) INFORMATION FOR SEQ ID NO: 3703:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(with applying preadment of the No. 1701	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3703:	
	CAACTAATAA ATAGTGGCGG TGGAGGGGAT CGAACCCCCG ACCTCACGGG TATGAACCGT	60
10	ACGCTCTAGC CAGCTGAGCT ACACCGCCTT ATATAGTTTG TAAATAATAT GGTGGAKACT	120
	AGCGGGATCG AACCGCTGAC CTCCTGCGTG CAAAGCAGGC GCTCTCCCAG CTGAGCTAAG	180
	CCCCCATAAT AATTACAGTA TATCGGGAAG ACAGGATTCG AACCTGCGAC CCCTTGGTCC	240
15	CAAACCAAGT GCTCTACCAA GCTGAGCTAC TTCCCGTATA ATTAACGCGC CCGATAGGAG	300
	TCGAACCCAT AAACCTCTTG ATCCGTAGTC AAACGCTCTA TCCAATTGAG CTAACGGGCG	360
	CATATGTTTT TAATTGAAAT GGTGCCCGAG GACCGGAATG	400
20	(2) INFORMATION FOR SEQ ID NO: 3704:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3704:	
	CTAACGCCTA CGCGTTACAT GAAAAACGGA GAACAAGCAG AACAATTATT ACGTCAGCTT	60
	ATAGAAAAAG ATGAAGCACT AGCTAAGTAT GTCATGGTTT GTGATGAAAC AGCTTGGTGG	120
35	TCATATATGG GTCAAGATAA TGATATTTTC AAAGATCAAT TAGGTCATCT AACTGTTCAG	180
	CTAAGAAAGT ATCCCGAAGT GCTAGCCAAA AATGATACGC AACAGCTAGT GTCAATGGCA	240
	GCACTCGCGG CAAATGATCG CACTTTATAT CAAATGATTT GTGGAAAAGA TAATATTTCT	300
40	AAAAATGATG TCATGACGTT ATTTGAAGAT ATCGCGCAAG TCTTTTTAAA GGTAACACTA	360
	TCATTTATGC AATACGGCGC ATTACCCAGA GTTGCATGGT	400
	(2) INFORMATION FOR SEQ ID NO: 3705:	
45 50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 478 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3705:	
	(AI) DEMONITOR PROCESSIVE DAY IN NO. 5,45.	

2651

	TGACGGGGAC CCGCACAAGC GGTGGAGCAT GTGGTTTAAT TCGAAGCAAC GCGAAGAACC	120
	TTACCAAATC TTGaCATCCT TTGaCAACTC TAGAGATAGA GCTTTCCCCT TCGGGGGTAC	180
5	AAAGTGACAG GTGGTGCATG GTTGTCGTCA GCTCGTGTCG TGAGATGTTG GGTTAAGTCC	240
	CGCAACGAGC GCAACCCTTA AGCTTAGTTG CCATCATTAA GTTGGGCACT CTAAGTTGAC	300
10	TGCCGGTGAC AAACCGGAGG AAGGTGGGGA TGACGTCAAA TCATCATGCC CCTTATGATT	360
	TGGGGCTACA CACGTGCTAC AATGGACAAT ACAAAGGGCA GCGAAACCGT GAGTCAAGCA	420
	AATCCCATAA AGTTGTTCTC AGTTCGGATT GTAGTCTGCA ACTCGACTAC ATGAAGCT	478
15	(2) INFORMATION FOR SEQ ID NO: 3706:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3706:	
25	ATCTTAAGTC TTTGGTGAAC CGTTTTGTAG AATTAAATAA TATTACAGAG CCGCTAGCAG	60
	TAACGATCCA AACGAATTTA CCACCATCAC GTGGATTAGG ATCGAGTGCA GCTGTCGCGA	120
30	TTGCTTTTGT TCGTGCAAGT TATGATTTTT TAGGGAAATC ATTAACGAAA GAAGAACTCA	180
	TTGAAAAGGC TAATTGGGCA GAGCAAATTG CACATGGTAA ACCAAGTGGT ATTGATACGC	240
	AAACGATTGT ATCAGGCAAA CCAGTTTGGT TCCAAAAAGG TCATGCTGAA ACGTTGAAAn	300
35	CTCAAAGTTT AGACGGCTAT ATGGTTGTTA TAGANACTGG TGTGAAAGGT TCACCAAGAC	360
	AAGCAGTAGA AGATGTTCCA TAAACTTTGG TGAGGACCCT	400
40	(2) INFORMATION FOR SEQ ID NO: 3707:	
45 45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3707:	
50	GTCGAACTGC CGACACATGG AGCTTCAATC CATTGCTCTA CCAACTGAGC TACTGAACCA	60
	TAATAAAAAT GTAATnnTGG CGGTCTCGAC GGGAATCGAA CCCGCGATCT CCTGCGTGAC	120
	AGGCAGGCGT GTTAACCGCT ACACTACGAG ACCTATAAAA TATTGCGGGA GGCGGATTTG	180

	TAAAAAATAA TGGCGGAGGA AGAGGGATTC GAACCCCCGC GGCCCGTTAA GGCCCTGTCG	300
	GTTTTCAAGA CCGATCCCTT CAGCCGGACT TGGGTATTCC TCCATTATTA TAGGTAAATC	360
5	GCTATTAATT ATAAAATTAA ATGGCGGTCT CGACGGGAAT	400
	(2) INFORMATION FOR SEQ ID NO: 3708:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3708:	
	GTTCGCCCAT TAAAGCGGTA CCAnGCTGGG TTCAGAACGT CGTGAGCANG TTCGGTCCCT	60
20	ATCNGGGGTG GGCGTAGGAA ATTTGAGAGG AGCTGTCCTT AGTACGAGAG GACCGGGATG	120
	GACATACCTC TGGTGTACCA GTTGTCGTGC CAACGGCATA GCTGGGTAGC TATGTGTGGA	180
25	CGGGATAAGT GCTGAAACAT CTAAGCATGA AGCCCCCCTC AAGATGAGAT TTCCCAACTT	240
23	CGGTTATAAG ATCCCTCAAA GATGATGAGG TTAATAGGTT CGAGGTGGAA GCATGGTGAC	300
	ATGTGGAGCT GACGAATACT AATCGATCGA AGACTTAATC AAAATAAATG TTTTGCGAAC	360
30	AAAATCCACT TTTACTTACT ATCTAGTTTT GAATGTATAA	400
	(2) INFORMATION FOR SEQ ID NO: 3709:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 424 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 3709:	
	AATTTTATGG GCCCTTTATG GACTTTATAT TMCCTAAAAT ACTATTAAGA AGTCCTGAAA	60
	AATTCACATT AGCAGTTGGA TTGTTCAACT TTATTAATGA TAAGTATGCA AATAATTTCA	
45		120
	CAGTGTTTGC AGCAGGGGCA ATTATGATTG CAGTACCTAT AGCAATCGTA TTCTTGTTCT	180
	TGCAACGCTA TTTAGTATCA GGTTTAACAA CAGGTGCGAC AAAAGGTTAG TTTGAAATTr	240
50	GGAGTGGGC AGAATTGATA AAGAACCACT AATGACGATA AAGATTAAAA GGAGGACGTT	300
	ATGATGACGA TTAAAGTTGG AATCATTGGG TGTGGTGGTA TTGCGAATGG CAAGCACATG	360
	CCAAGTTTAC AAAAAGTTGA AAATGTTGAA ATGATCGCAT TTGTGACGTG GACTTTCGAA	420
55		

	(2) INFORMATION FOR SEQ ID NO: 3710:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 559 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3710:	
	AGTGCTCTAC CAAGCTGAGC TACTTCCCGT ATAATTAACG CGCCCGATAG GAGTCGAACC	60
15	CATAACCTCT TGATCCGTAG TCAAACGCTC TATCCAATTG AGCTACGGGC GCATATGTTT	120
	TTATTGAAAA TGGTGCCGAG GACCGGAATC GAACCGGTAC GTGATCACTC ACCGCAGGAT	180
	TTTAAGTCCT GTGCGTCTGC CAGTTCCGCC ACCCCGGCAC TATAAAAATG GAGCAGAAGA	240
20	CGGGATTCGA ACCCGCGACC CCAACCTTGG CAAGGTTGTa TTCTACCGCT GAACTACTTC	300
	TGCATATGCG GGTGAAGGGA GTCGAACCCC CACGCCGTAA GcTkAGaTCC TgAAGTCTAG	360
25	TGCGTCTGCC AATTCCGCCA CACCCGCAAA TGGTGAGCCA TAGAGGATTC GAACCTCTGG	420
	ACCCTCTGGA TTGAAAAGTn CAGATGCTCT GACCAACTGG AGCTAATGGC TCTTCCCATG	480
	GTGGCCGGCC AGAAGGACTT GGAACCCCCA ACCTGATGGA TTTACAATTC AGTTGGCTCT	540
30	AACCAATTTG AGCTAAGGC	559
	(2) INFORMATION FOR SEQ ID NO: 3711:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3711:	
	AACCTTTTAG GAGCTAGCCG TCGAAGGTGG GACAAATGAT TGGGGTGAAG TCGTAACAAG	60
45	GTAGCCGTAT CGGAAGGTGC GGCTGGATCA CCTCCTTTCT AAGGATATAT TCGGAACATC	120
	TTCTTCAGAA GATGCGGAAT AACGTGACAT ATTGTATTCA GTTTTGAATG TTTGTTCATT	180
	CAAATTAATG GGCCTATAGC TCAGCTGGTT AGAGCGCACG CCTGATAAGC GTGAGGTCGG	240
50	TGGTTCGAGT CCACTTAGGC CCACCATTAA TTTAATACCT ATTTGGGGGC TTAGCTCAGC	300
	TGGGAGAGCG CCTGCTTTGC ACGCAGGAGG TCAGCGGTTC GATCCCGCTA GTCTCCACCA	360
	TTATTTGTAC ATTTGAAAAC TAGATAAGTA AGTAAAATAT	400

(i) SEQUENCE CHARACTERISTICS:

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3712:	
	TAGAATGAAC CGGCGAGTTA CGATTTGATG CAAGGTTAAG CAGTAAATGT GGAGCCGTAG	60
	CGAnnTCATG TCTGAATAGG GCGTTTAGTA TTTGGTCGTA GCCTGAAACC nnGTGATCTA	120
15	CCCTTGGTCA GGTTGAAGTT CAGGTAACAC TGAATGGAGG ACCGAACCGA	180
	AAAGTGAGCG GATGAACTGA GGGTAGCGGA GAAATTCCAA TCGAACCTGG AAATAGCTGG	240
	TTCTCTCCGA AATAGCTTTA GGGCTAGCCT CAAGTGATGG ATTATTGGAG GTAGAGCACT	300
20	GTTTGGACGA GGGGCCCCTC TCGGGTTACC GAATTCAGAC AAACTCCGAA TGCCAATTTA	360
	ATTTAACTTG GGGAGTCAGA ACATTGGGTG ATAAGGTCCG	400
25	(2) INFORMATION FOR SEQ ID NO: 3713:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3713:	
35	TTTTTAAGTC TGATGTGAAA GCCCACGGCT CAACCGTGAA GGGTCATTGG AAACTGGAAA	60
	ACTTGAGTGC AGAAGAGGAA AGTGGAATTC CATGTGTAGC GGTGAAATGC GCAGAGATAT	120
	GGAGGAACAC CAGTGGCGAA GGCGACTTTC TGGTCTGTAA CTGACGCTGA TGTGCGAAAC	180
40	GTGGGGATCA NACAGGATTA GATACCCGGT AGTCCACGCC GTAAACGATG AGTGCTAAAG	240
	TGTTAGGGGG TTTCCGCCCC TTAGTGCTGC AGTAAACGCA TTNAAGCACT CCGnCTGGGG	300
45	AGTACGNCCG CAAGTTGGAA ACTTCAAAGG AATTGACGGG GGACCCGCAC AAGCGTTGGG	360
	AGCATGTGGT TTAATTTCGA AGCAACGGAG AGGAACCTGA	400
	(2) INFORMATION FOR SEQ ID NO: 3714:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

2655

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3714:	
-	AGGTAGGACT CGAACCTACG ACCGATCGGT TAACAGCCGA TAGCTCTACC ACTGAGCTAC	60
5	TGTGGATTAA TATTATGCCT GGCAACGTTC TACTCTAGCG GAACGTAAnT CGACTACCAT	120
	CGACGCTAAG GAGCTTAACT TCTGTGTTCG GCATGGGAAC AGGTGTGACC TCCTTGCTAT	180
10	AGTCACCAGA CATATGAATG TAATTTATAC ATTCAAAACT AGATAGTAAG TAAAAGTGAT	240
	TTTGCTTCGC AAAACATTTA TTTTGATTAA GTCTTCGATC GATTAGTATT CGTCAGCTCC	300
	CALGTCACCA TGCTTCCACC TCGAACCTAT TAACCTCATC ATCTTTGAGG GATCTTATAA	360
15	CCGAAGTTGG GAAATCTCAT CTTGAGGGGG GCTTCATGTC TTAGCATTTC AGTCACTTAT	420
	GCCCG	425
	(2) INFORMATION FOR SEQ ID NO: 3715:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
25	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3715:	
30	GTCCCTGCTG TTCCTATCAT ATAAATGATA GATTCAAATA GATTTGTAGG TTTGTCATGC	60
	CCAGTTACAA GTTGCGTTAT CGTAGACACT AACATTAATA TGACTGGTAA TGTTGCTGTT	120
	AATAAACTCA TACCAAATCC TGGCATCTCT TGATCCGTAA ATTCTTTTTG TGCACCTAAC	180
35	GCTGAAATAT CGCCTTCTCG TGTATACGCA GACGGAATCA TTTTTTGTGC ACTTTGTTAA	240
	ATATAGGCCC TGCAATGAGT GTACTGGAAT GGCAATAATC ATACCATACA GTAATACATC	300
40	TCCAACATTT GCCTTTAATT CTTTTGCGAG ACTACCGGTC CTGGGATGTG GTGGTAAAAA	360
	GCCATGTGTC ACTGATAAAG CTGTTACCAT AnGTAGTCCT	400
	(2) INFORMATION FOR SEQ ID NO: 3716:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3716:	
<i>cc</i>	TTATGAATTC AAGCTTATTT AAAACTCTTT ATTCACTCGG TTTTGCTTGG TAAAATCTAT	60
55		

	GCAATATCAC TTTAACCAAA AAATATTTGA ATGTTAAATA AACATTCAAA ACTGAATACA	180
	ATATGTCACA TTATTCCGCA TCTTCTGAAG AAGATGTTCC GAATATATCC TTAGAAAGGA	240
5	GGTGATCCAG CCGCACCTTC CGATACGGCT ACCTTGTTAC GACTTCACCC CAATCATTTG	300
	TCCCACCTTC GACGGCTAGC TCCTAAAAGG TTACTCCACC GGnTTCGGGT GTTACAAACT	360
10	GTTCGTGGTG TGACGGGGCG GTGTGTTACA AGACCCGGGA	400
	(2) INFORMATION FOR SEQ ID NO: 3717:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3717:	
	AAAGGACGAC ATTAGACGAA TCATCTGGAA AGATAATTCA AAGAAGGTAA TAATCCTGTA	60
.25	GTCGAAAATG TTGTCTCTCT TGAGTGGATC CTGGTACGAC GGAGCACGTG AAATTCCGTC	120
25	GGAATCTGGG AGGACCATCT CCTAAGGCTA AATACTCTCT AGTGACCGAT AGTGAACCAG	180
	TACCGTGAGG AAAGGTGAAA AGCACCCCGG AAnGAGTTGA AATAGAACCT GAAACCGTGT	240
30	GCTTACAAGT AGTCAGAGCC CGTTAATGGG TGATGGCGTG CCTTTTGTAG AATGAACCGG	300
	CGAGTTACGA TTTGATGCAA GGTTAAGCAG TAAATGTGGA GCCGTAGCAN AAnnTGTTCT	360
	GAATAGGGCG TTTAGTATTT TGGTCGTAGC CCGAGAACCA	400
35	(2) INFORMATION FOR SEQ ID NO: 3718:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3718:	
	TAATTCATCT GCAGCATCTG GTTGATTTAA GCTTTCACGT AAACACATCG CTAAAGATAG	60
	AATCATTCCA AATGGATTGG CAACGTTTTT ACCTGCAATA TCTGGTGCTG ATCCATGAAT	120
50	AGGCTCATAC AATCTTGGAC CATCGTTACT AAAACTAGCA GAAGGTGATA AACCAAGTGA	180
	ACCAGGAATC ACTGAAGCTT CATCACTTAA AATATCGCCA AATAAGTTTT CACATACGAT	240
	GACGTCAAAT TGTTTTGGnA TTTGTGATTA AATGCATACT ACAAGCATCA ACAAATAAGT	300
55	$\cdot$	

	TTTACTAGAA GCTAATACAT TTCCTTATCA ACGGATGTNA	400
	(2) INFORMATION FOR SEQ ID NO: 3719:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3719:	
15	ATTTAAAACT GCCTGGCAAC GTTCTACTCT AGCGGAAnTA AGTnGAGCTA CCATCGACGC	60
	TAAGGAGCTT AACTTCTGTG TTCGGCATGG GAACAGGTGT GACCTCCTTG CTATAGTCAC	120
	CAGACATATG AATGTAATTT ATACATTCAA AACTAGATAG TAAGTAAAAG TGATTTTGCT	180
20	TCGCAAAACA TTTATTTTGA TTAAGTCTTC GATCGATTAG TATTCGTCAG CTCCACATGT	240
	CACCATGCTT CCACCTCGAA CCTATTAACC TCATCATCTT TGAGGGATCT TATAACCGAA	300
25	GTTGGGAAAT CTCATCTTGA GGGGGGCTTC ATGCTTAGAT GCTTTCAGCA CTTATCCCGT	360
20	CCACACATAG CTACCCAGCT AGCCGTTGGC ACGACAAnGG	400
	(2) INFORMATION FOR SEQ ID NO: 3720:	
.30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3720:	
	CGTTACACCT TCCAATAAAT TTGCTGTTGC TGGATAAGGA GAAATATTGA TATATTGTCT	60
40	TAAATTACTA TAATGCCAAT TTAAGTCTGG ATGATTTGTT AAGACACCAA TAGGATTATC	120
	TTTTATAACC ACTTCACCCT CTTTAAATGA AACTTCGACT GTATGTCCAG TTGCATCGGA	180
45	AACATGATAA TGCAATGGCG GAACTTCACC GATGTCATTT AAATATACAG CTACAACATG	240
	TATTTGGGAT GCTTGTTGTT TCATATCTTC AATGCTTGTT GTATATCCCA AAATCCATGT	300
	CACAATTTCA TTTTGCGTAA TATTCATCGC GTCCGCTTTG TGTGTTGGAT CCATATGGAA	360
50	CTATAACCTC GGGAAATATT GTGGTTGAAA TGGGCACGCC	400
	(2) INFORMATION FOR SEQ ID NO: 3721:	
55	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 3721:	
	• • • • • • • • • • • • • • • • • • • •	60
	AGTCAGTTTA TAGCGATTGC TGGACTGACA GTACTTGTGC CATTATTGCC AATTTATATG	60
10	GCATCACTAC AAAATCTATC AGTCGTAGAA ATACAGTTGT nGAGTGGTAT AGCGATTGCT	120
	GCTCCAGCTG TAACGACGAT GATAGCTTCG CCGATATGGG GGAAGCTAGG TGATAAGATC	180
	AGCCGAAAAT GGATGGTGTT AAGAGCGTTA CTTGGTTTGG CGGTATGCTT ATTTTTAATG	240
15	GCATTGTGTA CGACACCATT ACAGTTTGTA CTTGTGGAGG TTATTGCAGG GACTATTTGG	300
	TGGTGTTGTT GATGCATCAA GTGCGTTTGC GAGTGCAGAA GGCGCCACTG ANAGATCGTG	360
	GGAAAGGTAT TAGGAAGACT GCAAATTNCA GTTCAGCGCA	400
20	(2) INFORMATION FOR SEQ ID NO: 3722:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3722:	
	TCTAAAAGTT GAACTACTCC CGCATAAACC TGGAGGCGGC AACCGGATTT GAACCGGTGA	60
	TAAAGGTTTT GCAGACCTCT GCCTTACCAC TTGGCTATGC CGCCAATAAC TGGGCTAGCT	120
35	GGATTCGAAC CAACGAGTGA CGGATAAAGT CCGTTGCCTT ACCGCTTGGC TATAGCCCAT	180
	TAATAATAAG GGCGGCTGAA GGGGATCGAA CCCTCGAATG TCGGAACCAC AATCCGATGT	240
	GTTAACCACT TCACCACAGC CGCCATGGCA GGGGCAGTAG GAATCGAACC CACACCAAAG	300
40	GTTTTGGAGA CCTCTATTCT ACCNTTGAAC TATGCCCCTA TTAAAATGAT AAATGGAGGG	360
	GGGCAGATTC GAACTGCCGA ACCCGAGGGG CGGATTTTAC	400
	(2) INFORMATION FOR SEQ ID NO: 3723:	
45 50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3723:	

	GGTTCAAGTC CTCTGGCCGG CACCATTTnT GGAGGGGTAG CGAATGGCTA AACGCGGCGG	120
c	ACTGTAAATC CGCTCCTTCG GGTTCGGCAG TTCGAATCTG CCCCCCTCCA TTTATTATTT	180
5	TTAATAGGGG CATAGTTCAA CGGTAGAATA GAGGTCTCCA AAACCTTTGG TGTGGGTTCG	240
	ATTCCTACTG CCCCTGCCAT GGCGGCTGTG GTGAAGTGGT TAACACATCG GATTGTGGTT	300
10	CCGACATTCG AGGGTTCGAT CCCCTTCAGC CGCCTTATTA TTAATGGGCT ATAGCCAAGC	360
	GGTAAGGCAA CGGACTTTGA CTCCGTCACT CGTTGGTTCG	400
	(2) INFORMATION FOR SEQ ID NO: 3724:	
15 20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3724:	
	CACTITAGCA AATGGTGACA AAGTCCGTAT TGCTACAATT TTTGACTTAA TGGCAAGTCA	60
25	ATATGGCGTG CGTCGTTTTG ATCATAAATT AGAATCAAAA GGATACGACG ATGCAGAATC	120
	AAAATATACA CCTGCTTGGC AAGAAGCCAT TTCAGGCGTA AAACAAAGTG TTnGTCATTC	180
30	AAGTAGCGAA AGAATTTGCG CAAAACGCTA TCGATACTGA AGGGCGTTCA ATGATTATCA	240
30	TGGGTGCGGG TATTAACCAT TGGTTTAACT CAGATACGAT TTATCGTTCC AATCTTAAAC	300
	TTAGTTATGT TATGTGGCTG TCAGGTGTGA ATGGTGGCGG TTGGGGCTCA CTATGTGGGG	360
35	ACAAGAAAA TGTCGTCCGA TTGAAGGATG GAGTACTGTC	400
	(2) INFORMATION FOR SEQ ID NO: 3725:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 476 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3725:	
	CGCTATCTGA ATCTGAATCG CTATCTGAAT CTGAGTCGTT GTCTGAGTCC GAATCGCTAT	60
50	CTGAATCTGA GTCGCTATCT GAGTCTGAGT CGCTATCTGA ATCTGAGTCG CTGTCTGAAT	120
	CTGAATCACT GTCTGAGTCT GAGTCGCTGT CTGAGTCTGA ATCGCTGTCA GAATCTGAGT	180
	CGCTATCTGA GTCTGAATCT GAATCACTGT CTGAGTCCGA ATCGCTATCT GAATCTGAAT	240

	CCGAGTCTGA ATCGCTGTCT GAGTCTGAGT CGCTGTCTGA ATCTGAATCG CTATCTGAGT	360
	CTGAGTCGCT GTCkGAATgC GCTGTCTGAA TCTGAGTCGC TATGCTGAAT GCTGAGTnCG	420
5	CTATGTGAGT CTGAATGCGC TGTGCAGAAT CTGAGTGCGC TCATCTGATG TTTCTT	476
	(2) INFORMATION FOR SEQ ID NO: 3726:	
	(i) SEQUENCE CHARACTERISTICS:	
10	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3726:	
	ATACGACCAC TGTTTAATGC GTCCATTAAA TCTGGCCAAT TATTGAATTT AACTAATTCT	60
20	AGTTTATATT TCGGATGATT GTATTGTGAT AATAATTTTT TAGTCATCAT CAAATTAGCT	120
	GAATGTGTAA TCGGCAAATA TCCAATTTTA ATCACTTGCT GATTTTGGGC ATTTTTAGAC	180
25	CGTTCTTTAG ACGTCCTTTG CCAATCACAT CCTGTAATTA TAAAGATTCC AATGATGACG	240
23	ATTATGCTTA ACCTTTTCAT CGTCACTCAC TCCTTATAAA TAATATTCAG GTTCAACTTG	300
	ATGATGATTC AATGCAAnGT TTCCATAATT TCATTACGAA TCTTAAGTAG GTGGCTATCA	360
30	TTACGGACTG CGTGGATGTG ANGCTGTAAA TTCCATAnTG	400
	(2) INFORMATION FOR SEQ ID NO: 3727:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3727:	
	ACGACGGATA GGGACCGAAC TGTCTCACGA CGTTCTGAAC CCAGCTCGCG TACCGCTTTA	60
	ATGGGGGAAC AGCAAACCCT TGGGACCGAC TACAGCCCCA GGATGCGATG AGCCGACATC	120
45	GAGGTGCCAA ACCTCCCCGT CGATGTGAAC TCTTGGGGGA GATAAGCCTG TTATCCCCGG	180
	GGTAGCTTTT ATCCGTTGAG CGATGGCCCT TCCATGCGGA ACCACCGGAT CACTAAGTCC	240
	GTCTTTCGAC CCTGCTCGAC TTGTAGGTCT CGCAGTCAAG CTCCCTTATG CCTTTACACT	300
50	CTATGAATGA TTTCCAACCA TTCTGAGGGA ACTTTGAGCG CCTCCGTTmC CTTTTAGGAG	360
	GCGAACGGCC CCAGTTCAAA CTGCCCGCCT GAACACTGTC	400
55	GOMEGOOG CONSTITUTE CIGCOCCC CANONICIOIC	

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3728:	
, •	TTGAAAAGTC ATATCAAAGC GCACATGTTT TTAAGCGTCG TCGAACACCT ATCGTGAAAG	60
	GTGTGTCATT TGAGTGTCCA ATCGGTGCGA CGATTGCGAT TATCGGAGAA AGTGGTAGCG	120
15	GTAAATCGAC GTTGAGTCTA TTGATATTAG GTATTGAGAA ACCGGATAAA GGTTGTGTAA	180
	CCTTAAATGA TCAACCGATG CATAAGAAGA AAGTGAGACG TCATCAAATT GGTGCTGTAT	240
	TTCAAGATTA TACGTCATCA TTACATCCAT TTCAGACTGT TAGAGAAATC TTATTTGAAG	300
20	TGATGTGTCA ATGTGATGGA CAACCTAAAG AAGTTATGGA AGTCCAAGCA ATTACATTGT	360
	TGGAAGAAGT CGGTCTATCT AAGGCATACA TGGGATAAAT	400
25	(2) INFORMATION FOR SEQ ID NO: 3729:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
30	(D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3729:	
35	ATCGAACCCC CGACCTCACG GGTATGAACC GTACGCTCTA GCCAGCTGAG CTACACCGCC	60
	TTATATAGTT TGTAAATAAT ATGGTGGAGA CTAGCGGGAT CGAACCGCTG ACCTCCTGCG	120
	TGCAAANAGC CGCTCTCCCA GCTGAGCTAA GCCCCCATAA TAATTACAGT ATATCGGGAA	180
40	GACAGGTTCG AACCTGCGAC CCCTTGGTCC CAAACCAAGT GCTCTACCAA GCTGAGCTAC	240
	TTCCCGTATA ATTAACGCGC CCGATAGGAG TCGAACCCAT AACCTCTTGA TCCGTAGTCA	300
45	AACGCTCTAT CCAATTGAGC TACGGGCGCA TATGTTTTTA TTGAAAATGG TGCCGAGGAC	360
	CGGAATCGAA CCnGTAGTGA ATCACTCACC GCAGATTTTA	400
	(2) INFORMATION FOR SEQ ID NO: 3730:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3730:	
5	ATCTCTGGAT CAAAGCTTAC TTACAGCTCC CCAAAGCATA TCGTCGTTAG TAACGTCCTT	60
	CATCGGCTTC TAGTGCCAAG GCATCCACCG TGCGCCCTTA ATAACTTAAT CTATGTTTCC	120
	ACCATTTTA TAAGTCAAAC GTTAACATGA AGTTACGTTC TTTTATAAAA AGATTTAAAC	180
10	GCGTTATTAA TCTTGTGAGT GTTCTTTCGA ACACTAGCGA TTATTTCTTA TGAATTCAAG	240
	CTTATTTAAA ACTCTTTATT CACTCGGTTT TGCTTGGTAA AATCTATATT TTACTTACTT	300
	ATCTAGTTTT CAATGTACAA ATAATGGTGG AGACTAGCGG GATCGAACCG CTGACCTCCT	360
15	GCGTGCAAAG CAGGCGCTCT CCCAGCTGAG CTAAGCCCCC	400
	(2) INFORMATION FOR SEQ ID NO: 3731:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 401 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3731:	
	TGATTACAAG TCAGTTGCTC TACCAATTGA GCTAGGCCGG CAATATGTAA GAATAAATGG	60
30	TGGAGAATGA CGGGTTCGAA CCGCCGACCC TCTGCTTGTA AGGCAGATGC TCTCCCAGCT	120
	GAGCTAATTC TCCGATTTAA AACTGCCTGG CAACGTTCTA CTCTAGCGGA ACGTAAGTTC	180
	GACTACCATC GACGCTAAGG AGCTTAACTT CTGTGTTCGG CATGGGAACA GGTGTGACCT	240
35	CCTTGCTATA GTCACCAGAC ATATGAATGT AATTTATACA TTCAAAACTA GATAGTAAGT	300
	AAAAGTGATT TTGCTTCGCA AAACATTTAT TTTGATTAAL GTCTTCGATC GATTAGTATT	360
<del>1</del> 0	CGTCAGCTCC ACATGTCACC ATGCTTCCAC CTCGAACCTA T	401
	(2) INFORMATION FOR SEQ ID NO: 3732:	
<b>1</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 397 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3732:	
	CATTATTAAC GGCTATGGTT TAACTGAAGC ACCTCTTGTA CTTGTTAATA CACCGGAAAA	60
	TTCAAAACGT AAGCCAATGA GTATTGGTAA AGCAGTCATG TTCGTTGATG CACGTATCCT	120

	AAATGTCACG CCAGGATATT GGAATAAACC AGCAGAGACT GCCAAAGCAT TTCATGGTCG	240
	ATATTTATTA ACTGGTGACT TAGCGAGATG GACAACGATG GCGATATATT TATTATTGAC	300
5	CGCAAAAAAG AATTAATCAT AACTGGTGGC GAAAATGTCT TACCATCCGa gTCGAAAtGC	360
	TTaCtGaGCA TCCACTAGTA GACCGGTGTG TGGTCGT	397
	(2) INFORMATION FOR SEQ ID NO: 3733:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3733:	
20	AAGTAACAAT CGTTCACCGT CGTGATGAGT TACGTGCACA GCGTATTTTA CAAGATAGAG	60
	CATTCAAAAA TGATAAAATC GACTTTATTT GGAGTCATAC TTTGAAATCA ATTAATGAAA	120
	AAGACGGCAA AGTGGGTTCT GTGACATTAA CGTCTACAAA AGATGGTTCA GAAGAAACAC	180
25	ACGAGGCTGA TGGTGTATTC ATCTATATTG GTATGAAACC ATTAACAGCG CCATTTAAAG	240
	ACTTAGGTAT TACAAATGAT GTTGGTTATA TTGTAACAAA AGATGATATG ACAACATCAG	300
	TACCAGGTAT TTTTGCAGCA GGnGATGTTC GCGACAAAGG TTACGCCAAA TTGTCACTGC	360
30	CACGGCGATG GTAGTATGCC AGCGCAAGTG CCACGGAATG	400
	(2) INFORMATION FOR SEQ ID NO: 3734:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 480 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3734:	
	GCCGTTTACT GTGGCTTCGA TTCGTAGCTT CGCAGAAGCT AACCACTCCT CTTAACCTTC	60
45	CAGCACCGGG CAGGCGTCAG CCCTATACAT CACCTTACGG TTTAGCAGAG ACCTGTGTTT	120
	TTGATAAACA GTCGCTTGGG CCTATTCACT GCGGCTCTTC TGGGCGTTAA CCCTAAAGAG	180
50	CACCCCTTCT CCCGAAGTTA CGGGGTCATT TTGCCGAGTT CCTTAACGAG AGTTCGCTCG	240
50	CTCACCTTAG AATTCTCATC TTGACTACCT GTGTCGGTTT GCGGTACGGG CACCTATTTT	300
	CTATCTAGAG GCTTTTCTCG GCAGTGTGAA ATCAACGACT CGAAGACACA ATGTCTTCTC	360

	TAGACGTGCA ATCCAATCGG CAACGCTTCG CCTAATCCTA ACTGGCGGTC CCCCCCChAT	480
	(2) INFORMATION FOR SEQ ID NO: 3735:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3735:	
15	CGATCCCTTC AGCCGGACTT GGGTATTCCT CCAAAATTAT ATGGACCTTG CAGACTCGAA	60
	CCTGCGACCG AACGGTTATG AGCCGTTAGC TCTAACCAAC TGAGCTAAAG GTCCTAAATA	120
	TAATTTTACA ACTAATAAAT AGTGGCGGTG GAGGGGATCG AACCCCCGAC CTCACGGGTA	180
20	TGAACCGTAC GCTCTAGCCA GCTGAGCTAC ACCGCCTTAT ATAGTTTGTA AATAATATGG	240
	TGGAGACTAG CGGGATCGAA CCGCTGGACC TCCTGCGTGC AAACAGnCGC TCTCCCAGCT	300
	GAGCTMAAGC CCCCATAATA ATTACAGTAT ATCGGGAAGA CAGGATTCGA ACCTGCGACC	360
25	CCTTGGTCCC CAAACCAAGT GGTTTNACCA AGTTGAGCTA	400
	(2) INFORMATION FOR SEQ ID NO: 3736:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3736:	
	TGAGCCCGAC GAGCTACCGA ACTGCTCCAT CCCGCGATAA TAAAAAATAA TGGCGGAGGA	60
40	AGAGGGATTC GAACCCCCGC GGCCCGTTAA GGCCCTGTCG GTTTTCAAGA CCGATCCCTT	120
	CAGCCGGACT TGGGTATTCC TCCATTATTA TAGGTAAATC GCTATTAATT ATAAAATTAA	180
	ATGGCGGTCT CGACGGGAAT CGAACCCGCG ATCTCCTGCG TGACAGGCAG GCGTGTTAAC	240
45	CGCTACACTA CGAGACCATT AGTAAAACGG AGGAAGAGGG ATTCGAACCC CCGCGAGCCG	300
	TTAAGCCCCT GTCGGTTTTC AAGACCGATT CCTTCAGCCG GACTTGGGTA nTCnTCCAAA	360
	ATTATATGGA CCTTGCAGGA CTCGAACTGC GAnCGAACGG	400
50	(2) INFORMATION FOR SEQ ID NO: 3737:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3737:	
	TAATAATTAC AGTATATCGG GAAGACAGGA TTCGAACCTG CGACCCCTTG GTCCCAAACC	60
10	AAGTGCTCTA CCAAGCTGAG CTACTTCCCG TATAATTAAC GCGCCCGATA GGAGTCGAAC	120
	CCATAACCTC TTGATCCGTA GTCAAACGCT CTATCCAATT GAGCTACGGG CGCATATGTT	180
	TTTATTGAAA ATGGTGCCGA GGACCGGAAT CGAACCGGTA CGTGATCACT CACCGCAGGA	240
15	TTTTAAGTCC TGTGCGTCTG CCAGTTCCGC CACCCCGGCA CTATAAAAAT GGAGCAGAAG	300
	ACGGGATTCG AACCCGCGAC CCCAACCTTG GCAAGGTTGT ATTCTACCGC TGAACTACTT	360
	CTGCATATGC GGGTGAAGGG AGTCGAACCC CCACGCCGTA	400
20	(2) INFORMATION FOR SEQ ID NO: 3738:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3738:	
	AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG CAGATGCTCT CCCAGCTGAG	60
	CTAATTCTCC GATTTAAAAC TGCCTGGCAA CGTTCTACTC TAGCGGAAGT AATCGGANCT	120
35	ACCATCGACG CTAAGGAGCT TAACTTCTGT GTTCGGCATG GGAACAGGTG TGACCTCCTT	180
	GCTATAGTCA CCAGACATAT GAATGTAATT TATACATTCA AAACTAGATA GTAAGTAAAA	240
	GTGATTTTGC TTCGCAAACA TTTATTTTGA TTAAGTCTTC GATCGATTAG TATTCGTCAG	300
40	CTCCACATGT CACCATGCTT CCACCTCGAA CCTATTAACC TCATCATCTT TGAGGGATCT	360
	TATAACCGAA GTTGGGAAAT CTCATCTTGG AGGGGGGCTT	400
45	(2) INFORMATION FOR SEQ ID NO: 3739:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3739:	

	CACCACCCGA CATATTTTCC ACTTCCGAAC TTAATTGATA ATGTCCCAAA CCGACATCTT	120
	TAATTAATTG CTnTGCACGT TTTCTATCAA ATTTATCATT ACGTGCAAGT GATGGGAATA	180
5	TCATGTTATC TTCAATCGTT TCACCAAACA AGTCACTTTG CTGCATCAAA TAACTGATTC	240
	GTTGACGCAA TTCTTCCGGG TCATAATCAT TATAGGGTTT ACCTTTAAAA TAAAGTTCTC	300
	CACTAGTTGG ACTAAACAAA TTACATATnT GCTTTTGAAA TGTACTTTTA CCACTACCTG	360
10	ATGGACCTAT AATGGCAATA CTCTCGCCTT TATCTACTTT	400
	(2) INFORMATION FOR SEQ ID NO: 3740:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 413 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3740:	
	ATCGCTTGCT TCTTTCCTCT CCTTCGGCTC TCGCTTACTC ATTTAGCTCT ACTAAACTCG	60
25	TTGCGCTCTT TTCTCGTTTC GTCAGATTCA AACGTTTTCA CTTCGCCAAG CCATTTTTCT	120
	TTGTGTTTAC TTTTTATTTT GACGTTTTAG ACATAAAAA AAGAGACCTT GCGGTCTCAA	180
20	TGCGGCTCAT CGCATCCATT ITTTGCCTGG CAACGTTCTA CTCTAGCGGA AnTAATTGGC	240
30	TACCATCGAC GCTAAGAACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTTCT	300
	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	360
35	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTGCTTT TnA	413
	(2) INFORMATION FOR SEQ ID NO: 3741:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3741:	
	CTTAGATGCT TTCAGCACTT ATCCCGTCCA CACATAGCTA CCCAGCTATG CCGTTGGCAC	60
	GACAACTGGT ACACCAGAGG TATGTCCATC CCGGTCCTCT CGTACTAAGG ACAGCTCCTC	120
50	TCAAATTTCC TACGCCCACG ACGGATAGGG ACCGAACTGT CTCACGACGT TCTGAACCCA	180
	GCTCGCGTAC CGCTTTAATG GGCGAACAGC CCAACCCTTG GGACCGACTA CAGCCCCAGG	240

	TAAGCTGTTA TCCCCGGGGT AGCTTTTATC CGTTGAGCGA TGGCCCTTCC ATGCGGAACC	360
	ACCGGATCAN TAAGTCCGTC TNTCGACCCT GNTGGACTTG	400
5	(2) INFORMATION FOR SEQ ID NO: 3742:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3742:	
	GTTTTGAATG TATAAATTAC ATTCATATGT CTGGTGACTA TAGCAAGGAG GTCACACCTG	60
	TTCCCATGCC GAACACAGAA GTTAAGCTCC TTAGCGTCGA TGGTAGTCGA ACTTACGTTC	120
2 <b>0</b>	CGCTAGAGTA GAACGTTGCC AGGCAGTTTT AAATCGGAGA ATTAGCTCAG CTGGGGAGAG	180
	CATCTGCCTT ACAAGCAGAG GGTCGGCGGT TCGAACCCGT CATTCTCCAC CATTTATTCT	240
	TACATATTGC CGGCCTAGCT CAATTGGTAG AGCAACTGGA CTTGTAATCA GTAGGTTGGG	300
25	GGTTCAAGTC CTCTGGCCGG CACCATGGGA AGAGCCATTA GCTCAGTTGG TAGAGCATCT	360
	GACTTTTAAA TCAGAGGGTT CAGAGGTTnC GAATCCGCTA	400
	(2) INFORMATION FOR SEQ ID NO: 3743:	
<i>30</i> 35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3743:	
40	TCGCAATAAC CGCATCAAAT GTATTGCCTA AAAAGGCTGG ATTTTCCAAT GTGTCATCAT	60
	TACGGATCTC GAAGTTCTCA TAACGCACAT CATGTAATAA CATATTCATG CGTGCTAAGT	120
	TGTATGTAGT ATTGTTACGT TCTTGTCCGA AATAACGATA CACTTGCGTT TCTTTACCAA	180
45	CACGTAACAA CAATGAACCG GAACCACATG TTGGGTCGTA CACGTGACGT AATTTATCTT	240
	TACCGTCTGT GACAATCTTC GCCAGTATCT TAGATACTTG TTGTGGTGTA TAGAACTCGC	300
	CTGCTTTTTT ACCCGCTGTC GCCGCAAAGC GCCCGATTAG GAATTCATAT GCATCACCTA	360
50	ACATATCAAT TTCCATGGTC ACTGTGAACG AATGGGTAAG	400
	(2) INFORMATION FOR SEQ ID NO: 3744:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3744:	
10	CTACTGATTA CAAGTCAGTT GCTCTACCAA TTGAGCTAGG CCGGCAATAT GTAAGAATAA	60
	ATGGTGGAGA ATGACGGGTT CGAACCGCCG ACCCTCTGCT TGTAAGGCAG ATGCTCTCCC	120
	AGCTGAGCTA ATTCTCCGAT TTAAAACTGC CTGGCAACGT TCTACTCTAG CGGAACGTAA	180
15	GTTCGACTAC CATCGACGCT AAGGAGCTTA ACTTCTGTGT TCGGCATGGG AACAGGTGTG	240
	ACCTCCTTGC TATAGTCACC AGACATATGA ATGTAATTTA TACATTCAAA ACTAGATAGT	300
	AAGTAAAAGT GATTTGCTTC GCAAAACATT ATTTGATTAA GTCCTCGATC GATAGTATCG	360
20	TCAGCTCCAC ATGTCACCAT GCTTCCANCT CGNACCTATT	400
	(2) INFORMATION FOR SEQ ID NO: 3745:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3745:	
	CATAAGTAAA CTCTGCTTTA AAATAATTTA ACTCATTGTC TGCTAAACGT TTTCTTTTAT	60
35	AAAAAGATTT AAACGCGTTA TTAATCTTGT GAGTGTTCTT TCGAACACTA GCGATTATTT	120
	CTTATGAATT CAAGCTTATT TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA	180
	TATTTTACTT ACTTATCTAG TTTTCAATGT ACAATTTCTT TTTAGTCAAG CGCTCGCATA	240
40	CTGCTTTATT nTCAAAAAAT CAAATGCTCA TTTACAAAAG TAAACTCCGC TTTAATTTTC	300
	TTAATGCATT GTCTAACAAC CGCTTGCTTT AAAAAGAATA GATTGnCAAG CGCTCGCATA	360
	AGCAATATCA CTTHAACCAA AAAATA	386
45	(2) INFORMATION FOR SEQ ID NO: 3746:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 677 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AAGGTGAAAA GCACCCCGGA AGGATGTTGA AATAGAACCT GAAACCGTGT GCTTACAAGT	60
	AGTCAGAGCC CGTTAATGGG TGATGGCGTG CCTTTTGTAG AATGAACCGG CGAGTTACGA	120
5	TTTGATGCAA GGTTAAGCAG TAAATGTGGA GCCGTAGCAK AACanGGTCT GAATAGGGCG	180
	TTTAGTATTT GGTCGTACCG ANAACCAGGT GATCTACCCT TGGTCAGGTT GAAGTTCAGG	240
10	TAACACTGAA TGGAGGACCG AACCGACTTA CGTTGAAAAG TGAGCGGATG AACTGAGGGT	300
	AGCGGAGAAA TTCCAATCGA ACCTGGAGAT AGCTGGTTCT CTCCGAAATA GCTTTAGGGC	360
	TAGCCTCAAG TGATGATTAT TGGAGGTAGA GCACTGTTTG GaCGAGGGGC CCCTCTCGGG	420
15	tTACCAATTC AGACAAACTC CGAATGCCAA TTAATTTAAC TTGGGGAGTC aGAACATGGG	480
	TGATAAGGTC CGTGTTCGAA AGGGAAACAG CCCAGACCAC CAGCTAAGGT CCCAAAATAT	540
	ATGTTAAGTG GAAAAGGATG TGGCGTTGCC AGACAACTGA GGATGTTGGC TTAGAAGCAG	600
20	CCATCATTTT AAAGAGTGCG TAATAGCTCA CTAGTCGAAG TGACACTGCG CCGAAAATGT	660
	GACCGGGCnT AAACnAT	677
25	(2) INFORMATION FOR SEQ ID NO: 3747:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 417 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3747:	
35	GTCCAATGAT TCATATGCTT TATTATCACG GTATTGCCTT TGAATCGCAT GCACAAAATA	60
	TGATGCTCAT TCATGAAAAT GGTTGGCCTA CACGTATTGC CTTAAAAGAT TTCCATGATG	120
40	GTGTTCGTTT TAAGCGTGAC ATTTAAGTGA AGCTGCTTCA CACCTGACAT TAAAGCCAAT	180
	GCCAGAAGCA CATAAAAAAG TGAATAGTAA TTCATTTATT GAAACAGATG ACGAACGTTT	240
	AGTACGCGAC TTTTTACATG ATGCATTTTT CTTTATTAAT ATCGCCGAAA TCATCTTATT	300
45	TATTGAAAAG CAATATGGTA TCGATGAGGA GCTGCAATGG cAATGGGKTa AAGGCATCAT	360
	CGAGGCGTAT CCAGrAGCAT TTCCaGAGTT kGAATaACTA TCCAACCATT CGGTTTT	417
	(2) INFORMATION FOR SEQ ID NO: 3748:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55		

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3748:	
	ATGCTCTCCC AGCTGAGCTA ATTCTCCGAT TTAAAACTGC CTGGCAACGT TCTACTCTAC	60
5	CGGAACGTAA GTTCGACTAC CATCGACGCT AAGGAGCTTA ACTTCTGTGT TCGGCATGGG	120
	AACAGGTGTG ACCTCCTTGC TATAGTCACC AGACATATGA ATGTAATTTA TACATTCAAA	180
	ACTAGATAGT AAGTAAAAGT GATTTTGCTT CGCAAAACAT TTATTTTGAT TAAGTCTTCG	240
10	ATCGATTAGT ATTCGTCAGC TCCACATGTC ACCATGCTTC CACCTCGAAC CTATTAACCT	300
	CATCATCTTT GAGGGATCTT ATAACCGAAG TTGGGAAATC TCATCTTGAG GGGGGCTTCA	360
15	TGCTTAGATG CTTTCAGCAC TTATCCCGTC CACACATAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3749:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3749:	
	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	60
30	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTATTTTGAC	120
	GTTTTAGGCA TAAAAAAAA AGACCTTGCG GTCTCAATGC GGCTCATCGC ATCCATTTT	180
	TGCCTGGCAA CGTTCTACTC TAGCGGAAGT AAGTTGGGCT ACCATCGTCG CTAAAGACCT	240
35	TTCTTGACTT GTGACAATCG CTTGCTTCTT TCCTCTCTT CGGCTCTCGC TTACTCATTT	300
	AGCTCTACTA AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACG TTTTCACTTC	360
	GCCAAGCCAT TTTTTCTTTG TGTmTACTTT TTAATTTTGA	400
40	(2) INFORMATION FOR SEQ ID NO: 3750:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3750:	
	ATAAAAAAA GAGACCTTGC GGTCTCAAAT GCGGCTCATC GCATCCATTT TTTGCCTGGC	60
	AACGTTCTAC TCTAGCGGAA CGTAAGTTGG CTACCATCGT CGCTAAAGAC CTTTCTTGAC	120

	TAAACTCGTT GCGCTCTTTT CTCGTTTCGT CAGATTCAAA CGTTTTCACT TCGCCAAGCC	240
	ATTTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAAA GAGACCTTGC	300
5	GGTCTCAATG CGGCTCATCG CATCCATTTT TTGCCTGGGC AACGTTCTAC TCTAGCGGAA	360
	nTAAnTTGGG CTACCATCGA CGCTAAGAAC CTTTCTTGGA	400
10	(2) INFORMATION FOR SEQ ID NO: 3751:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3751:	
20	CACTCACCGC AGATNTTTAA GTCCTGTGCG TCTGCCAGTT CCGCCACCCC GGCACTATAA	60
	AAATGGAGCA GAAGACGGGA TTCGAACCCG CGACCCCAAC CTTGGCAAGG TTGTATTCTA	120
25	CCGCTGAACT ACTTCTGCAT ATGCGGGTGA AGGGAGTCGA ACCCCCACGC CGTAAGCTNA	180
25	GNATTCCTAA GTCTAGTGCG TCTGCCAATT CCGCCACACC CGCAAATGGT GAGCCATAGA	240
	GGATTCGAAC CTCTGGACCC TCTGATTAAA AGTCAGATGC TCTACCAACT GGAGCTAATG	300
30	GCTCTTTCCA TGGTGCCCGG CCAGAGGACT TGGAACCCCC AACCTACTGA TTACAAGTCA	360
	GTTGCTCTAA CCAATTGAGC TAAGCCGGGC AATATGTTAn	400
	(2) INFORMATION FOR SEQ ID NO: 3752:	
35 40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3752:	
45	TTANANANCC GCGACATTAT AGAGCCAATC ACTAGCCTAT CTCAGAATCA CCAACGAATC	60
	CTTCATTATT AAGGAATCTA GGCATCTTTA CGGCGTGGTT CTAATCGCAT CTTTTTCAAT	120
	CTAAGTGCGT TTGTGACAAC ACTTACTGAA CTTAGTGCCA TTGCAGCACC AGCAACCCAT	180
50	GGCGCAAGTA AGCCCAATGC AGCTATAGGG ATACCGGCAA TATTATAGCC GAATGCCCAA	240
	AATAGATTTT GACGAATATT ACGAATGGTT GCTTTACTTG CATAAATGGC TTTAGGAATA	300
	AGCATCAAGT CGCCACCAAG AATAGTAATA TCAGCTGCTT CAATGGGCAA CTTCTGTTAC	360

(2) INFORMATION FOR SEQ ID NO: 3753:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3753:	
	CCTTGCGGTC TCAATGGCGG CTCATCGCAT CCATTTTTTG CCTGGCAACG TTCTACTCTA	60
15	GCGGAACGTA AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT GACAATCGCT	120
	TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT ACTCATTTAG CTCTACTAAA CTCGTTGCGC	180
	TCTTTTCTCG TTTCGTCAGA TTCAAACGTT TTCACTTCGC CAAGCCATTT TTCTTTGTGT	240
20	TTACTTTTTA TTTTGACGTT TTAGACATAA AAAAAAGAGA CCTTGCGGTC TCAATGCGGC	300
	TCATCGCATC CATTTTTTGC CTGGCAACGT TCTACTCTAG CGGAACGTAA GTGGCTACCA	360
	TCGACGCTAA GAACCTTTCT TGACTGGTGA CAAnCGCTTG	400
25	(2) INFORMATION FOR SEQ ID NO: 3754:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 381 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3754:	
	CTGAGCTAAG CCCCCAAATA GGTATTAAAT TAATGGTGGG CCTAAGTGGA CTCGnACCAC	60
	CGACCTCACG CTTATCAGGC GTGCGCTCTA ACCAGCTGAG CTATAGGCCC ATTAATTTGA	120
40	ATGANCAAAC ATTCAAAACT GAATACAATA TGTCACGTTA TTCCGCATCT TCTGAAGAAG	180
	ATGTTCCGAA TATATCCTTA GAAAGGANGT GATCCAGCCG CACCTTCCGA TACGGCTACC	240
45	TTGTTACGAC TTCACCCCAA TCATTTGTCC CACCTTCGAC GGCTAGCTCC TAAAAGGTTA	300
43	CTCCACCGGC TTCGGGTGTT ACAAACTCTC GTGGTGTGAC GGGCGGTGTG TACAAAACCC	360
	GGGAACGTAT TCACCGTAGC A	381
50	(2) INFORMATION FOR SEQ ID NO: 3755:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3755:	
5	AGCTCCCCAA AGCATATCGT CGTTAGTAAC GTCCTTCATC GGCTTCTAGT GCCAAGGCAT	60
	CCCCGTGCGC CCTTAATAAC TTAATCTATG TTTCCACCAT TTTTATAAGT CAAACGTTAA	120
	CATGAAGTTA CGTTCTTTTA TAAAAAGATT TAAACGCGTT ATTAATCTTG TGAGTGTTCT	180
10	TTCGAACATA GGCGATTATT TCTTATGAAT TCAAGCTTAT TTAAAACTCT TTATTCACTC	240
	GGTTTTGCTT GGTAAAAACn ATATTTTACT TACTTATCTA GTTTTCAATG TACAATTTCT	300
	TTTTAGTCAA GCGCTCGCAT ACTGCTTTAT TTTCCATAAG CAATAnCACT TTAACCAAAA	360
15	AATATTTGGA ATGTTNAAAT AAACATNCAA AACTGAATAC	400
	(2) INFORMATION FOR SEQ ID NO: 3756:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3756:	
	CTACTCACAC CGGCATTCTC ACTTCTAAGC GCTCCACATG TCCTTACGAT CATGCTTCAA	60
30	CGCCCTTAGA ACGCTCTCCT ACCATTGTCC AAAGGCATGC GCACAGCTTC GGTAATATGT	120
	TTAGCCCCGG TACATTTTCG GCGCATGTCA CTCGACTAGT GAGCTATTAC GCACTCTTTA	180
35	AATGGATGGC TGCTTCTAAG CCAACATCCT AGTTGTCTGG GCAACGCCAC ATCCTTTTCC	240
	ACTTAACATA TATTTTGGGA CCTTAGCTGG TGGTCTGGGC TGTTTCCGGn GGGGNACACG	300
	GACCTTATCA CCCATGTTCT GACTCCCAAG TTAAATTAAT TGGCATTCGG ATTTGTCTGA	360
40	ATCGGTAACC CGAGAGGGCC CnTCGTCCAA ACAGTGCTCT	400
	(2) INFORMATION FOR SEQ ID NO: 3757:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 458 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3757:	
	GGCAGATGCT CTCCCAGCTG AGCTAATTCT CCGATTTAAA ACTGCCTGGC AACGTTCTAC	60

	ATGGGAACAG GTGTGACCTC CTTGCTATAG TCACCAGACA TATGAATGTA ATTTATACAT	180
	TCAAAACTAG ATAGTAAGTA AAAGTGATTT TCCTTCGCAA AACATTTATT TTGATTAAGT	240
5	CTTCGATCGA TTAGTATTCG TCAGCTCCAC ATGTCACCAT GCTTCCACCT CGAACCTATT	300
	AACCTCATCA TCTTTGAGGG aTCTTATAAC CGAArTttGG GAAtCTCATC TTGAGGGGGG	360
	gCTCATGCtT AGATGCTTcA GCACTTATCC CGTCCACACA TAGCTANCCA GCTATGCCGT	420
10	TnGCACGACA ACTGGTACAC CAGAnGTATG TCCATCCC	458
	(2) INFORMATION FOR SEQ ID NO: 3758:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3758:	
25	AGCGCTCGCA TACTGCTTTA TTTTCAAAAA ATCAAATGCT CATTTACAAA AGTAAACTCC	60
2.5	GCTTTAATTT TTCTTAATGC ATTGTCTAAC AACCGCTTTC TTTAAAAAGA ATAGATTGTC	120
	AAGCGCTCGC ATAAGCAATA TCACTTTAAC CAAAAAATAT TTGAATGTTA AATAAACATT	180
30	CAAAACTGAA TACAATATGT CACGTTATTC CGCATCTTCT GAAGAAGATG TTCCGAATAT	240
	ATCCTTAGAA AGGAGGTGAT CCAGCCGCAC CTTCCGATAC GGCTACCTTG TTACGACTTC	300
	ACCCCAATCA TTTGTCCCAC CTTCGACGGC TAGCTCCTAA AAGGTTACTC CACCGGCTTC	360
35	GGGTGTTACA AACTCTCGTG GTGTGACGGG CGGTGTGTAC	400
	(2) INFORMATION FOR SEQ ID NO: 3759:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3759:	
	GACTTGGGTA TTCCTCCAAA ATTATATGGA CCTTGCAGGA CTCGAACCTG CGACCGAACG	60
50	GTTATGAGCC GTTAGCTCTA ACCAACTGAG CTAAAGGTCC TAAATATAAT TTTACAACTA	120
	ATAAATAGTG GCGGTGGAGG GGATCGAACC CCCGACCTCA CGGGTATGAA CCGTACGCTC	180
	TAGCCAGCTG AGCTACACCG CCTTATATAG TTTGTAAATA ATATGGTGGA GACTAGCGGG	240

	TAATAATTAC AGTATATCGG GAAGACAGGA TTCGAACCTG CGACCCCTTG GTCCCAAACC	360
	AAGTGCTCTA CCAAGCTGAA GCTACTTTCC CGTATAATTA	400
5	(2) INFORMATION FOR SEQ ID NO: 3760:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3760:	
	CACTTAATGC CCGTACCACA CATAGCTACC CAGCTATGCC GTTGGCACGA CAACTGGTAC	60
	ACCAGAGGTA TGTCCATCCC GGTCCTCTCG TACTAAGGAC AGCTCCTCTC AAATTTCCTA	120
20	CGCCCACGAC GGATAGGGAC CGAACTGTCT CACGACGTTC TGAACCCAGC TCGCGTACCG	180
	CTTTAATGGG CGAACAGCAA nCCCTTGGGA CCGACTACAG CCCCAGGATG CGATGAGCCG	240
	ACATCGAGGT GCCAAACCTC CCCGTCGATG TGAACTCTTG GGGGAGATAA GCCTGTTATC	300
25	CCCGGGGTAG CTTTTATnCG TTGAGCGATG GNCCTTNCAT GCGGAACACC GGATCACTAA	360
	GTCCGTCTTT CGACCCTGCT CGACTTGTAG GTCTCGCAGT	400
30	(2) INFORMATION FOR SEQ ID NO: 3761:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 623 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3761:	
40	TATGTATTTT ATAATGTACA GCTCGTTGAn TCnTATTTTT CCTTATATTA AGTGCCATTA	60
	ATACAAAACC TAGCTCTCGT TTAACTTTAT TTATTCCTCG AACTGACATT CGAGTGAACC	120
	CAAAATAGCC TTCATAAATC CAAAAACAGG CTCTACATCA ATTTTTCTTT GACTATAGAT	180
45	TTTTTTCGTT TCTGGTTCAG AAAGCTTTTG ATTAATTTGG ACTTTAAAGT ATTCCCAATT	240
	ATAATTCTTC ATGATTTTCT TATTGGATTT CGAATTTGGT TTCATGCATT GATGTCTCAA	300
50	AGAACATGAT GAACAGTCAT CACATTCATA TAGTTTGAAG TCTCGTTTAA AACCATATCT	360
	ATCATTACGG TATGCATATC TTTTAAAACC TATTCTTTTG TTATTAGGAC ATATAAATTC	420
	ATCATTAAGT TCGTCATATT TCCAATTTTA AGTGTTGAAA ATGTCACTTT TAAACTTTCT	480

	AATAGCCATA TAGTTTTGCT CACTACCATA ACCGGCATCA GCTACAAATA TACTCCGGTA	600
	AATAACCGAG GGATTGTTGG AAT	623
5	(2) INFORMATION FOR SEQ ID NO: 3762:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 718 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3762:	
	ATTTAAAAA TAGTTCTTTA AATTATATAC CCACCACATT TGGTGGAGAA CCTAAAAAAA	60
	AGCACTTCCC AAAAATGGAA AGTGCAAGTA GTGAGCCATA GAGGATTCGA ACCTCTGACC	120
20	CTCTGATTAA AAGTCAGATG CTCTACCAAC TGAGCTAATG GCTCTAATGG CTGGGCCTAG	180
	CTGGATTCGA ACCAACGAGT GACGGAGTCA AAGTCCGTTG CCTTACCGCT TGGCTATAGC	240
	CCAATATATA GATGGTGGAG GGGGGCAGAT TCGAACTGCC GAACCCGAAG GAGCGGATTT	300
25	ACAGTCCGCC GCGTTTAGCC ACTTCGCTAC CCCTCCAGCT TATTCATATA ATTTAATAAT	360
	CAAAATGGTG GAGAATGACG GGTTCGAACC GCCGACCCTC TGCTTGTAAG GCAGATGCTC	420
30	TCCCAGCTGA GCTAATTCTC CAAAATAATG ACTCCTACGG GACTCGAACC CGTGTTACCG	480
	CCGTGAAAGG GCGGTGTCTT AACCGCTTGA CCAAGGAGCC ATGGCTCCAC AGGTAGGACT	540
	CGAACCTTAC GACCGATCGG TTTAACAGCC GATAGCTCTT ACCACTGGAG CTACTGTGGG	600
35	ATTAATATTA TGCCTGGGCA ACGTTCTTAC TCTTAGCGGA ACGTTAAGTT CCGACTTACC	660
	ATCCGACGCT AAGGAGCTTT AACTTTCTnG TGGTTCCGGC ATGGGGGGAA CAGGTGGT	718
	(2) INFORMATION FOR SEQ ID NO: 3763:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3763:	
50	ThCACTCACC GCAGATTTTT AAGTCCTGTG CGTCTGCCAG TTCCGCCACC CCGGCACTAT	60
	AAAAATGGAG CAGAAGACGG GATTCGAACC CGCGACCCCA ACCTTGGCAA GGTTGTATTC	120
	TACCGCTGAA CTACTTCTGC ATATGCGGGT GAAGGGAGTC GAACCCCCAC GCCGTAAGCT	180

	AGGATTCGAA CCTCTGGACC CTCTGATTAA AAGTCAGATG CTCTACCAAC TGGAGCTAAT	300
	GGCTCTTCCA TGGTCCCGGC CAGAGGACTT GGAACCCCCA ACCTACTGGA TTTACAAGTT	360
5	CAATTGCTCT AnCAATTTGA GCTAAGGCCG GGCAATATGT	400
	(2) INFORMATION FOR SEQ ID NO: 3764:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 610 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3764:	
	TTAAAGTATT CCCAATTATA ATTCTTCATG ATTTTCTTAT TGGATTTCGA ATTTGGTTTC	60
20	ATGCATTGAT GTCTCAAAGA ACATGATGAA CAGTCATCAC ATTCATATAG TTTGAAGTCT	120
	CGTTTAAAAC CATATCTATC ATTACGGTAT GCATATCTTT TAAAACCTAT TCTTTTGTTA	180
	TTAGGACATA TAAATTCATT ATTAAGTTCG TCATATTTCC AATTTTGAGT GTTGAAAATG	240
25	CCACTTTAA ACTTTCTAGT TTTATCTTTA ATAAACATGC CATACGTAAT AAGTGGCGTT	300
	TTATTAAAAT CATCTATAAT AGCCATATAG TTTTGCTCAC TACCATAACC TGCATCAGCT	360
	ACAATATACT CTGGTAAATA ACCGAAGGAT TTTGAATCAT TGTTAAAAAT GGGATTAATG	420
30	TTCTAGTATC TGTTGGGTTT TGAAATAGGT CATAGGATAA AACAAATTGr GAATTTGTCG	480
	CTATTTGgTA AATTGGTATC CTGGCTTAAG TTGGGCCATT TTTCCATATG GGCCTTCCTT	540
35	CCATTCTCCA TAAAAGTTGG CATCATGGAT CCAGATCCnG TTTTAGGAAA ACCTAATTCC	600
	AACCTTTAAG	610
	(2) INFORMATION FOR SEQ ID NO: 3765:	
40 45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3765:	
50	CTTCTTGGTG CTGCATATCC CCTACAATAA TTAAACCTTT TTTCTTATTT AAAATGTGTC	60
J0	TTAATGCCGA TGCATCTATA CTTTTTTGAT AGTGCGGTAA AATCTTCATC TCAGANGTTA	120
	ACAATTCTGT TGCATTCAAA TCAGGTGTTA ACGGATCTCT AAATGGCAAG TTAAAATGAA	180

	CACAATGGTC TCTTTACTAT CATCCGCAAT AGGCATATCG AACTCATAAC TTACATAATT	300
	ATTAAACATA TTTACTTGAT TAATCGCTTG TGGTGCGCCT ACAnTTCTTA ATTCAGCGGA	360
5	CGGTCACTTG TTAAAACGGT TTAAGGTATT CTACTAATTn	400
	(2) INFORMATION FOR SEQ ID NO: 3766:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 451 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3766:	
	Chtttaacct tittaaggaa teetgetaat gegggttitg geattitega nintitrgta	60
20	tCTCACGCAA tCTTGGTGGT CATTCAGTTC GTATATGGCA TCCATTAAGA CGCGAAGATC	120
	AAATGGACTA TTGATGACTT CTGGAATACC ACGATCTATA TTTAGTAATT GATAAACAGC	180
	TTCCATGGCA GTACGAACCG AATATTCTGT TGTAAATACA GTGTCTCGCT CTGTTTCTGC	240
25	AAAGTTACCA ATAAATGCTA AGTTCTGAGA TTGATGCGGG ACGACTAAAG GTCTGTCGCC	300
	GATAGCACGC GTCATGAAAT AAGATGTGAT ATATGGCATA TAAACAGGGA ATCGTATTAG	360
.30	ATGCATGTnT TGCTAAGTCT TCAATTTTGG TCAGTTGATA CACCTAAGTG GATACAGCCA	420
	TTCTTGGCAT ATTTCATTAC CACTACATNC T	451
	(2) INFORMATION FOR SEQ ID NO: 3767:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3767:	
	ACACGTGAAC GTCTTCAAAT GGAAGTACGT GACGTTCACT ACTCTCACTA TGGCCGTATG	60
45	TGTCCAATTG AAACACCTGA GGGACCAAAC ATTGGATTGA TTAACTCATT ATCAAGTTAT	120
	GCACGTGTAA ATGAATTCGG CTTTATTGAA ACACCATATC GTAAAGTTGA TTTAGATACA	180
50	CATGCTATCA CTGATCAAAT TGACTATTTA ACAGCTGACG AAGAAGATAG CTATGTTGTA	240
	GCACAAGCAA ACTCTAAATT AGATGAAAAT GGTCGTTTCA TGGATGATGA AGTTGTATGT	300
	CGTTTCCGTG GTAACAATAC AGTTATGGCT AAAGAAAAAA TGGATTATAT GGATGTATCG	360
55		

(2) INFORMATION FOR SEQ ID NO: 3768:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3768:	
	CCTACGACCG ATCGGTTAAC AGCCGATAGC TCTACCACTG AGCTACTGTG GATTAATATT	60
15	ATGCCTGGCA ACGTTCTACT CTAGCGGAAn TAAGTTCGTA CTACCATCGA CGCTAAGGAG	120
	CTTAACTTCT GTGTTCGGCA TGGGAACAGG TGTGACCTCC TTGCTATAGT CACCAGACAT	180
	ATGAATGTAA TTTATACATT CAAAACTAGA TAGTAAGTAA AAGTGATTTT GCTTCGCAAA	240
20	ACATTTATTT TGATTAAGTC TTCGATCGAT TAGTATTCGT CnGCTCCACA TGTCACCATG	300
	CTTCCACCTC GAACCTATTA ACCTCATCAT CTTTGAGGGA TCTTATAACC GAAGTTGGGG	360
	AAATCTCATC CTGnAGGGGG CTTCATGCTT AGATGCTTTC	400
25	(2) INFORMATION FOR SEQ ID NO: 3769:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3769:	
	CTTGACCGAA GTTCTTACCT ACATCACCTA AATTAATGAC ATGTCCACCA GTCATATACT	60
	CTAATCCATG GTCGCCGATA CCTTCAACGA CAACATCTAC ACCACTATTT CTAATACAGA	120
40	ATCTTTCTnC TGCACTACCG TTAATAAATG CCTTACCACT TGTCGCACCA TAGAATGAGA	180
	CGTTACCAGC AATAATTTCA TTTTGTCGTT CTTCAAAAGG TGCTTTGACA ATGACCGTAC	240
	CACCAGATAA TCCTTTACCA ACATAGTCAT TCGCATCTCC AGTATGATGA ATCATTAAGC	300
45	CTTTCGGTGC ATATGCTGCA GGACTTTGGA CCAGCATGAC CATTCGTATA AACATTAATT	360
	GTATTTTCAG GGAGGTCCTG CTTCTCCATA TTGTTTCGGA	400
50	(2) INFORMATION FOR SEQ ID NO: 3770:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3770.	
5	CATTACGTAA TTAAAAGATA GTCATTAAGA GAGGNTGATA ACCATGCAAG AAGCATACAT	60
	TGTAGCTTAT GGGCGTTCAG CGCAGCGAAA CAAAGCAAGG CGCATTATTC CACGAAAGAC	120
	CTGATGATGT CGCAGCCAAA GTATTACAAG GCGTATTGAA ACGTATTGAC GGAAAATTCA	180
10	ATAAGAATAT GATTGAAGAT GTCATTGTTG GTACGGCTTT TCCAGAAGGA TTACAAGGCC	240
	AAAACATTGC ACGAACGATT GCATTGCGTG CGGGATTATC TGACACGGTA CCGGTCAAAC	300
15	AGTGGAATCG CTACTGCTCA TCCAGGNTTT ACAAACCATT CGCGATTGCA GGCCAATCAA	360
, 3	ATTATGGCNG GTCCAAGGAG ATATACTTGT TAGCTGGTGG	400
	(2) INFORMATION FOR SEQ ID NO: 3771:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3771:	
	ACTCTCTTGC ANTAAGGGCA GGGAATGACC GATGGGATTA AAAGATCAAG CTGTTACCTG	60
30	GGGAAGGTAT TTTCATCAAT TTCCAGAACT ATCCGATAAA GAATTTAAGA CTACACAAAA	120
	AATTAAAGAT ATTTTAACAG AACATCATAT TAGAATATTA GACTTACCAC TTGCGACTGG	180
35	GCTTGTTGCT GAAGTGGGAC AAGGTCTGAG TTGTATAGCT GTTCGGGCTG ACATTGATGC	240
	TITACCGATT CAAGAGCTTG TTGAACAGGA TTTTAAATCT GAAAATGAAG GTGTTATGCA	300
	TGCGTGTGGT CATGATATTC ACATGGCTAG NATTTTGGCT ACAGCTGGTA AAATTAAAAG	360
40	AGATTGAGGG CACTCTTACT GGGCGTGTTA AATCCATTTG	400
	(2) INFORMATION FOR SEQ ID NO: 3772:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3772:	
	TITATTTTGA CGTTTTAGAC ATAAAAAAAA GAGACCTTGC GGTCTCAATG CGGCTCATCG	60

	GCTAAGAACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTTCT TCGGCTCTCG	180
	CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTC TCGTTTCGTC AGATTCAAAC	240
5	GTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTGCTTT TTATTTTGAC GTTTTAGACA	300
	TAAAAAAAAG AGACCTTGCG GTCTCAATGC GGCTCATCGC ATCCATTTT TGCCTGGGCA	360
	ACGTTCTACT CTAGCGGGAA CGGTAAGTTC GGACTTACCA	400
10	(2) INFORMATION FOR SEQ ID NO: 3773:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3773:	
	TTGATATTCC TGTACCACCT ATAATCGTTT TAATCGATGG GGGGACGCAT AGGNATAGGC	60
	GACGTGCGAT TGGATTGCAC GTCTAAGCAG TAAGGCTGAG TATTAGGCAA ATCCGGTACT	120
25	CGTTAAGGCT GAGCTGTGAT GGGGAGAAGA CATTGTGTCT TCGAGTCGTT GATTTCACAC	180
	TGCCGAGAAA AGCCTCTAGA TAGAAAATAG GTGCCCGTAC CGCAAACCGA CACAGGTAGT	240
	CAAGATGAGA ATTCTAAGGT GAGCGAGCGA ACTCTCGTTA AGGAACTCGG CAAAATGACC	300
30	CCGTAACTTC GGGAGAAGGG TGCTCTTTAA GGTTAACGCC CAGAAGAGCC GCATGGAATA	360
	GGCCCAnCGA nGTTTATTCA AAAACACAGT CTCTGCTAAA	400
35	(2) INFORMATION FOR SEQ ID NO: 3774:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
40	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3774:	
45	TACTTAGACA ATCGAAAGTG TACATTATTA AATTATCATT TCCAGTTCTA CTCTAGCGGA	60
	ACGTAAGTTG GCTACCATCC TCGCTAAGAA CCTTTCTTGA CTTGTGACAA TCGCTTGCTT	120
50	CTTTCCTCTC CTTCGGCTCT CACTTACTCA TTTAGCTCTA CTAAACTCGT TGCGTTCTTT	180
30	TCTCGTTTCG TCAGATTCAA ACGTTTTCAC TTCGCCAAGC CATTTTTCTT TGTGTTTGCT	240
	TTTTATTTTG ACGTTTTAGA CATAAAAAA AGAGACCTTG CGGTCTCAAA TGCGGCTCAT	300

	GACGCTAAGG AGCTTAAACT TCTGTGTTTC GGCATGGGGA	400
	(2) INFORMATION FOR SEQ ID NO: 3775:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3775:	
. 5	CGGTTTATCA AGAATGGAAA GAGTTGTACG TGAAAGAATG TCAATTCAAG ATACTGAGTC	60
15	TATCACACCT CAACAATTAA TTAATATTCG ACCTGTTATT GCATCTATTA AAGAATTCTT	120
	TGGTAGCTCT CAATTATCAC AATTCATGGA CCAAGCAAAC CCATTAGCTG AGTTAACGCA	180
20	TAAACGTCGT CTATCAGCAT TAGGACCTGG TGGTTTAACA CGTGAACGGC TCAAATGGAA	240
	GTACGTGACG TTCACTACTC TCACTATGGC CGGTGTGTCC AATTGAAACA CCTGAGGGAC	300
	CAAACATTGG ATTGATTAAC TCATTATCAG TTATGCACGT GTAAATGGAA TTCGGCTTTA	360
25	TTGAAACACC ATATCGTAAA AGTTGATTTG GnTACACAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3776:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
3 <b>5</b>		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3776:	
	AGCTTACTTA CAGCTCCCCA AAGCATATCG TCGTTAGTAA CGTCCTTCAT CGGCTTCTAG	60
40	TGCCAAGGCA TCCACCGTGC GCCCTTAATA ACTTAATCTA TGTTTCCACC ATTTTTATAA	120
	GTCAAACGCT CACATACGGC TTCGTTTTCA TTATTTTAAA TGCTCATTTA CATAAGTAAA	180
	CTCTGCTTTA AAATAATTTA ACTCATTGTC TGCTAAACGT TTTCTTTTAT AAAAAGATTT	240
45	AAACGCGTTA TTAATCTTGT GAGTGTTCTT TCGAACnTAG GCGATTATTT CTTATGGAAT	300
	TCAAGCTTAT TTAAAACTCT TTATTCACTC GGTTTTGCCT GGGTAAAATC TAAATTTTAC	360
50	TTACNTATCT AGGTTTTCAA TGTACAAATA ATGGTGGGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3777:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	
55	(***, *********************************	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3777:	
	AATTATAAAA TTAAATGGCG GTCTCGACGG GAATCGAACC CGCGATCTCC TGCGTGACAG	60
	GCAGGCGTGT TAACCnCTAC ACTACGAGAC CATTAGTAAA ACGGAGGAAG AGGGATTCGA	120
10	ACCCCCGCGA GCCGTTAAGC CCCTGTCGGT TTTCAAGACC GATCCCTTCA GCCGGACTTG	180
	GGTATTCCTC CAAAATTATA TGGACCTTGC AGGACTCGAA CCTGCGACCG AACGGTTATG	240
15	AGCCGTTAGC TCTAACCAAC TGAGCTAAAG GTCCTAAATA TAATTTTACA ACTAATAAAT	300
	AGTGGCGGTG GAGGGGATCG AACCCCCGAC CTCACGGGTA TGAACCGTAC GCTCTAGCCA	360
	GCTGAGCTAC ACCGCCTTAT ATAGTTTGTA AATAATATGG	400
20	(2) INFORMATION FOR SEQ ID NO: 3778:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3778:	
	CAAATCCTGC ACCATCAGAA AGTGGGGCAG ATGTTCCTGC AGTCATAGTG CCGTCAGCTT	60
	TAAATACTGT ACGTAATTTG GCTAATGCCT CCATCGTGGT GTCAGGGCGT ATAAATTCAT	120
35	CTTGGTCAAA GATATTTGTG TGTACTTTTG GTCCTGCGTT TGTATATTCA ACTGAGTTTA	180
	CTTGTATTGG AATAATTTCA TCTTTGAACC GACCATCACG TTGTGCGTCA TAGGCACGTT	240
	GATGACTTCT GACAGCATAA GCATCTTGAT CTTCGCGTGA TACGTCAAAT TGGGATGCTA	300
40	CATTTTLCAG CAGTTAAACC CATAGGATAT GACGCACCTA TATCATCALA TTGTAAGGTT	360
	GGATTGTTTG TGGGCTTCGT TnGCCACCnn TTGGTACGGC	400
45	(2) INFORMATION FOR SEQ ID NO: 3779:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3779:	

	CAATCTAAAT CGTTCAAATT TGGCACAACG ACAAATAAGG CTTCAACACG AATATATTCT	120
	CTCGGTTGAA ACCTTACTTA TTCATTTATT TTTTATAAAT TAGTGACATA ACACTGTATT	180
5	AGCATCTGCA CGATCGGTTG AAATATATGT TACATTTTCT TGCTGCTTAA TAAATGCATC	240
	ATAGTAATCA TATTGCGACG AATGATATGT GCCATTCGAT GTATCATTTG GGTTTAGCAA	300
	ACAGCCATAA CCTTCGTCAT ATAAATGTTC ACRGAGCATA AGGGGCGTCA TGTTTTAGAA	360
10	CCACCTTACC TACATAAAAT TnGCCTCCAT AGGGATCATA	400
	(2) INFORMATION FOR SEQ ID NO: 3780:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	/ · · · · · · · · · · · · · · · · · · ·	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3780:	
o.c	ATGGnCGGTC TCGACGGGAA TCGCAACCCG CGATCTCCTG CGTGCACACn CAGGCGTGTT	60
25	AACCGCTACA CTACGAGACC ATTAGTAAAA CGGAGGAAGA GGGATTCGAA CCCCCGCGAG	120
	CCGTTAAGCC CCTGTCGGTT TTCAAGACCG ATCCCTTCAG CCGGACTTGG GTATTCCTCC	180
3 <b>0</b>	AAAATTATAT GGACCTTGCA GGACTCGAAC CTGCGACCGA ACGGTTATGA GCCGTTAGCT	240
30	CTAACCAACT GAGCTAAAGG TCCTAAATAT AATTTTACAA CTAATAAATA GTGGCGGTGG	300
	AGGGGATCGA ACCCCCGACC TCACGGGTAT GAACCGTACG CTCTAGCCAG CTGAGCTACA	360
35	CCGCCTTATA TAGTTTGTAA ATAATATGGT GGAGACTAGC	400
	(2) INFORMATION FOR SEQ ID NO: 3781:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3781:	
	AACCACATCT TTATCAAGTT TCATATTCGG AATACCATAC ATTAATAAAC CGCCTGATTC	60
50	TCTAGCACGT TCATAAATAG TTACTTGATA TCCTAGTAGA TTAAGTTCTT CAGCAGCAGC	120
50	TAATCCTGCT GGACCGCTTC CAACGATTGC CACTTTTTCA TCTCTACGGC GACTCGGAAC	180
	TTTCGGCGCT ACCCAACCAT TTTCAAAAGC TTCATCAATA ATTGTGCGTT CAATACCTTT	240

	TACACGCCCT GTAAAGTCAG GAAAGTTATT TGTTTCGCTT AAGCGTCATA AGCAGTTTTA	360
	AAATCTTGAT GATACACCAA GTCGTCCAnt CAGGATGGAG	400
5	(2) INFORMATION FOR SEQ ID NO: 3782:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3782:	
,,,	ACATGATGCG TGTGGTATTG GTTTTTATGC GAATATGGAT AATAAAAGGT CTCACGACAT	60
	CATTGATAAA TCGCTTGAAA TGTTGCGACG CTTAGATCAC AGGGGCGGGG TCGGCGCAGA	120
20	TGGCATCACT GGTGATGGCG CAGGTATTAT GACTGAAATA CCTTTTGCAT TTTTCAAACA	180
	ACATGTAACG GACTTTGATA TCCCAGGTGA AGGTGAATAT GCCGTGGGGT TATTTTTTC	240
	CAAAGAACGC ATTTTAGGTT CTGAACATGA AGTAGTTTTT AAAAAATATT TTGGAAGGCG	300
25	ANGGGTTATC AATTCTTGGT TAACGTAATG TACCAGTTAA TAAAAGATGC CATTGCCTAA	360
	ACCATGTAGC AGATACGATG GCCAGTCATT CCACCAAGTG	400
	(2) INFORMATION FOR SEQ ID NO: 3783:	
<i>30 35</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3783:	
40	AATCGGGTGA TGTTGGACGA TGATACGCAG GGAACGTTGC GTTATTCGTA TATGAAATAT	60
	TGGATAACTG TTTTAACAAT GATGGTAGAG ATATTTCATC ATTTGTAACA TCGTCAATTT	120
	TGATATTGTG ATGATTTAAC ATAACGACAT CATCGATATT GAATTGGTAT GAAAAACCTG	180
45	CTGTTGCTGA ATCTGTTAAT TTGGCTCCAA TATTTAAAAT TAAATCGCTG TTGTCCACAT	240
	AATCTCGTAT TTTATCTTCG GCAATTTTCC CATCGTAAAT ACCCATATAA TATGGATTTT	300
	CCTCATTAAA AGCACCTTTT CCTAATGAAA GTTGTGCTAC TGGGTATCTG TGTTTGAnTT	360
50	ACAAAATCTT ChAAGTCCTG GATGGAGGTG AAAACTGTTA	400
	(2) INFORMATION FOR SEQ ID NO: 3784:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3784:	
10	GGTACTAAGA TGTTTCAGTT CTCCGGGTGT GCCTTCTGAT ATGCTATGTA TTCACATATC	60
	GATAACATGA CATAACTCAT GCTGGGTTTC CCCATTCGGA AATCTCTGGA TCAAAGCTTA	120
	CTTACAGCTC CCCAAAGCAT ATCGTCGTTA GTAACGTCCT TCATCGGCTT CTAGTGCCAA	180
15	GGCATCCACC GTGCGCCCTT AATAACTTAA TCTATGTTTC CACCATTTTT ATAAGTCAAA	240
	CGCTCACATA CGGCTTCGTT TTCATTATTT TAAATGCTCA TTTACATAAG TAAACTCTGC	300
	TTTAAAATAA TTTAACTCAT TGTCTGCnAA ACGTTTTCTT TTATAAAAAG AnTTTAAACG	360
20	CGTTAATGAA GCTGTGAGTG TTCCTTCGAA CACGAGnnGA	400
	(2) INFORMATION FOR SEQ ID NO: 3785:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3785:	
	TACTGGAATG ACATCAGATA CATGTGCACC ACCAATCCAT TTCTTTTCAC CATTGATAAC	60
35	CCAAGTATCG CCTTGnCGTT CAGCGACTGT TTCAAGACCT CCCGCAACGT CCGAACCGTG	120
	TTCTGGTTCA GTTAAAGCAA AGCATGTACG CAGTTCATGT GACTGTAATT TAGGTACATA	180
	TTTCGCAATT TGTTCTTTGC TACCTCCGAA ATAGAAAGTG TTATGCCCTA AACCTTGGTG	240
40	AACACCGAGT AGGGTAGCTA AGGAAATATC AAATCGCGCG AGTAGGTAAG ACATGAAAAA	300
	CTGAAATAGT TGACTAGGCA TTTTGGCGTT TGGACGATCC TTGTAAAGTA ATGGATTGTT	360
45	AAAATAATTT AATTCTCCCA GTCTTTAAAT AGTCCTCGGG	400
	(2) INFORMATION FOR SEQ ID NO: 3786:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TCATTTGACG AATTTCATTG TTATTCAAAA TTCTATCTAA TCGTGCTTTT TCAACATTTA	60
	ATATCTTACC TCGTAATGGT AAAATCGCCT GCGTTCTAGA GTCACGACCA GATTTTGTAG	120
5	ACCCCCGGC AGAGTCCCCT TCGACTAAGA AAATCTCACA TTCTTCAGGA CTTTTACTAG	180
	AGCAATCGGC TAATTTACCT GGAAGCTTGC TACATCTAAC GCTGATTTAC GACGTGTTAC	240
10	TTCACGCGCT TTTTTCGCAG CAACACGTGC ACGGCCCGCC ATAATACCTT TTTCAACCAC	300
70	TGTACGTGCG ACTTGTGGGA TTTTCATATA AAAATCGTTC AAAGTGCTCT GAGAATAATT	360
	TATCTACAAC TTGACGCACT TCAGAATTAC CTAATTTTGT	400
15	(2) INFORMATION FOR SEQ ID NO: 3787:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3787:	
25	TCTCTTCCCG TTTCGCTCGC CGCTACTAAG GGAATCGAAn TTTCTTTCTC TTCCTCCGGG	60
	TACTAAGATG TTTCAGTTCT CCGGGTGTGC CTTCTGATAT GCTATGTATT CACATATCGA	120
	TAACATGACA TAACTCATGC TGGGTTTCCC CATTCGGAAA TCTCTGGATC AAAGCTTACT	180
30	TACAGCTCCC CAAAGCATAT CGTCGTTAGT AACGTCCTTC ATCGGCTTCT AGTGCCAAGG	240
	CATCCACCGT GCGCCCTTAA TAACTTAATC TATGTTTCCA CCATTTTTAT AAGTCAAACG	300
35	TTAACATGAA GTTACGTTCT TTTATAAAAA GATTTAAACG CGTTATTAAT CTTGTGAGTG	360
55	TTCTTTCGGA CACTAGCGAT TATTTCTnAT GATnCAAGCT	400
	(2) INFORMATION FOR SEQ ID NO: 3788:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3788:	
	ATTCTCTGCT TTCATCTCAT TTGGTGACTA ATACCCTGAT TTTGTCCAAG TAAATGCTTC	60
50	ATAAAGTATT CTTGACCTTT TGCAGAACTT GAAATTAAGT TTGAACGCCA TATATAATGA	120
	TTTTGGATGA TTCTTTTCA AATCAGGATC TCTATTGCAA ATTGTGTTTG TnTTGATTTC	180

	TCTTCTGCAA ACAACAAACT ATTTTTATTA AATTGTGGAT ATGATGGTAA CCAACCAAGT	300
	CTAGCTGCTA ANACATTATA ATCAGCTGGA TGTTGATGCT TTAACTCCTC TGTTTTAGCT	360
5	AATGGAGATT TTAAACGATC TACATTTGAC TCTTCATAAT	400
	(2) INFORMATION FOR SEQ ID NO: 3789:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3789:	
	CGGTTTCTTA ATTATGAACG CAACTATGAA TGGCTTATTA ACTATCACGG GCACATTGGC	60
20	AAAAGATCAG CTTGCACAAA ATGGACAAGG CATGGTGCTC GGTATACAAA CGGTTGAAAC	120
	CGGTGTTTTT GGCGGGATTA TCACAGGTAT TATGACCGCA ATACTTCACA ACAAATATCA	180
	CAAAGTGGTA TTACCACCGT ATTTAGGTTT CTTTGGTGGC TCTAGATTTG TCCCTATTGT	240
25	CACAGCATTT GCCGCAATCT TTTTAGGTGT ATTGATGTTT TTCATTTGGC CAAGCATACA	300
	ngccggcatt tatcatgttg gtgggatttg taacgaaaac aggtgccatc ggtactnttg	360
	TTTATGGGTT CATCTTAGG ATTGTTAGGT CCACTCGGTT	400
30	(2) INFORMATION FOR SEQ ID NO: 3790:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 716 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3790:	
	ATAATGGACT GTGCCGnGTA ATAATATnGn TCTCTAAAAG TTGTATTTTA AAAATAGTTC	60
	TTTAAATTAT ATACCCACCA CATTTGGTGA kGAACCTAAA AAAAAGCACT TCCCAAAAAT	120
45	GGAAAGTGCA AGTAGTGAGC CATAGAGGAT TCGAACCTCT GACCCTCTGA TTAAAAGTCA	180
	GATGCTCTAC CAACTGAGCT AATGGCTCTA ATGGCTGGGC TAGCTGGATT CGAACCAACG	240
	AGTGACGGAT CAAANGTCCG TTGCCTTACC GCTTGGCTAT AGCCaATATA TAGATGGTGG	300
50	AGGGGGGCAG ATTCGAACTG CCGAACCCGA AGAGCGGATT TACAGTCCGC CGCGTTTACC	360
	ACTTCGCTAC CCCTCCAGCT TATTCATATA ATTTAATAAT CAAAATGGTG GAGAATGACG	420

	CAAAATAATG ACTCCTACGG GACTCGAACC CGTGTTACCG CCGTGAAAGG GCGTGTTCTT	540
	AACCGLTGAC CAAGGAGCCA TGGCTCACCA GGTAGGACTC GAACCTACGA CCGATCGGTT	600
5	TAACAGCCGA TAGCTCTACC ACTGAGCTAC TGTGGGATTA ATATTATGCC TGGCAACGTT	660
	CTACTCTAGC GGAACTAAAG TTnGAACTnA CCATCGACGC TAAAGGAGCT TAACTT	716
	(2) INFORMATION FOR SEQ ID NO: 3791:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3791:	
20	TGTCATGACG TTATTTGAAG ATATCGCGCA AGTCTTTTTA AAGGTAACAC TATCATTTAT	60
	GCAATACGGC GCATTACCAG AGTTGCATGG TCAAAATATA TTGTTGTCAT TTGAAGATGG	120
	ACGTGTACAA AAATGCGTGT TACGTGATCA TGATACTGTC AGAATTTATA AACCATGGCT	180
25	AACAGCACAT CAGCTTTCAT TGCCGAAGTA TGTCGTCAGA GAAGATACAC CTAATACGCT	240
	AATTAATGAG GATTTGGAAA CATTCTTTGC nTGATTTTCA AACATTAGCT GTGATCGGTA	300
	AATCTATATG CCATTATTGA TGCAATTCCA AGATTTATTT GGTGTGAAGT GNAGCATGAA	360
30	CTTATGTCGT TGTTAAAACA AATTTTGAAA AAAGGAAGTG	400
	(2) INFORMATION FOR SEQ ID NO: 3792:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 425 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3792:	
	TTTTCACACA ATACATGGAC ACCATGGTTC AATGCTTCTA TAGAAAGATC AGCATGGAAT	60
45	TTATTAGGTG TACAAATGAC CACCGCATCA ACAAGTTTAA ACAGCTCGCT AGGTGTCTCA	120
	ACTGCATGAG GTATATTAAA GCGCTTCGCA ACATCAATCA TCTGCACTGT ATTAATATCT	180
	TGTACTGCAA CTAATGAGAC TGTGTCTTTG AGTTTCAGCA ATGCTGGAAT ATGACGGTCT	240
50	TGTGCAATAC CACCAACACC TATCACACCA ACTTITAATT TTGTCATGAT GTGCCTCCTT	300
	ACCGTATGAT GTEATTCAAA GTAAATTGCT TTGCCTGATT TKGCAGACTG ATAAATYGCT	360

	TACCA	425
	(2) INFORMATION FOR SEQ ID NO: 3793:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3793:	
15	GATGCTCTAC CAACTGAGCT AATGGCTCTA ATGGCTGGGC TAGCTGGATT CGAACCAACG	60
	AGTGACGGAG NAAAGGTCCG TTGCCTTACC GCTTGGCTAT AGCCCAATAT ATAGATGGTG	120
	GAGGGGGCA GATTCGAACT GCCGAACCCG AAGGAGCGGA TTTACAGTCC GCCGCGTTTA	180
20	GCCACTTCGC TACCCCTCCA GCTTATTCAT ATAATTTAAT AATCAAAATG GTGGAGAATG	240
	ACGGGTTCGA ACCGCCGACC CTCTGCTTGT AAGGCAGATG CTCTCCCAGC TGAGCTAATT	300
25	CTCCAAAATA ATGACTCCTA CGGGACTCGA ACCCGTGTTA CCGCCGTGAA AGGGCGGTGT	360
	CTTAACCGCT TTGACCAAGG AGCCATGGCT CCACAGGTAG	400
	(2) INFORMATION FOR SEQ ID NO: 3794:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3794:	
40	ATCAGCAGGG TTGAAAGTAC CTGCTGCAAC AGTAATACCA TTATTAGTTC CAGCAATACC	60
	TGCTACAGTT GCTGCAGATG CTTCTTTCAC CCATGGACTC GTATTATTGC GACGTGTAAA	120
	TGTnTCACAA CGTTACCATT ACGTTTAATA ACTAATTTAT CAGCGTATGT CGTTACGTTA	180
45	CCGGCATGTG TATTCACTGT TTGGTTTGCT CCAGGTGCAA TTGTAATCGC TCCTGCCGCT	240
	GTTTCAGTCA CAGTTGGTTT CGCTGGTTGC ACATCTTTTA CTACAAATTT CGCTGGTAAA	300
	GATGTTGCAA AAGTATGTCC GTTATAGATG ACGTCCATAT TTTGCGTTAA CGACTTTAGC	360
50	CACATTCGGT TTATTCATAG CGGACCAGTT TGCGTCCATT	400
	(2) INFORMATION FOR SEQ ID NO: 3795:	
55	(i) SEQUENCE CHARACTERISTICS:	
ي.	(A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double (D) TOPOLOGY: linear

5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3795:	
	GCGCCGAAAA TGTACCGGGG CTAAACATAT TACCGAAGCT GTGGATTGTC CTTTGGACAA	60
10	TGGTAGGAGA GCGTTCTAAG GGCGTTGAAG CATGATCGTA AGGACATGTG GAGCGCTTAG	120
	AAGTGAGAAT GCCGGTGTGA GTAGCGAAAG ACGGGTGAGA ATCCCGTCCA CCGATTGACT	180
	AAGGTTTCCA GAGGAAGGCT CGTCCGCTCT GGGTTAGTCG GGTCCTAAGC TGAGGCCGAC	240
15	AGGCGTAGGC GATGGATAAC AGGTTGATAT TCCTGTACCA CCTATAATCG TTTAATCGAT	300
	GGGGGGACGC AGTAGGATAG GCGAACGTGC CATTTGATTG CACGTCTAAA GCAGTAAAGC	360
	TGAGTATTAG GCNAATCCGG TACTCGTTNA AGGCTGAACT	400
20	(2) INFORMATION FOR SEQ ID NO: 3796:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3796:	
	GCACATGTTG CCATGCTTGA GCTAAATTAC CTTGCATCAT TGCTAGCTTT TCTTGTATTA	60
25	ACTGATATTT ACTAATTGGT TTGCCGAATT GCTTACGCTC AGTGACATAA TCTAATGTGG	120
35	CACGTAAAGC GCCACCATAC CACCTGTAGC CATATAAGCA ACGSCTGCTC TCGTTGAATA	180
	AAGAATTTTG GCAATATCTT TAAAGCTTGT TATGTTTTGT AAGCGATCCG CTTCATCTAC	240
40	TTTGACATTA GTTAATTTAA TTAGGGCGTT AGGAACAATG CGAAGTGCGA TTTTATTATC	300
	AATGACTTCA ATATCGACGC CATCTTGTTC TGGTCTGACT ACAAAGCAAT GGGGTTTGCC	360
	AGTTTCnGTT ATTTACTGCG AATACTGGGG GGGnGnGGTT	400
45	(2) INFORMATION FOR SEQ ID NO: 3797:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
<i>F.</i> F.	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3797:	

	GGAACACCAG TGGCGAAGGC GACTTTCTGG TCTGTAACTG ACGCTGATGT GCGAAACGTG	120
	GGGATCAAAC AGGATTAGAT ACCCTGGTAG TCCACGCCGT AAACGATGAG TGCTAAGTGT	180
5	TAGGGGGTTT CCGCCCCTTA GTGCTGCAGC TAACGCATTA AGCACTCCGC CTGGGGAGTA	240
	CGACCGCAAG TTGAAACTCA AAGGAATTGA CGGGGACCCG CACAACGGTG GGAGCATGTG	300
	GTTTAATTCG AAGCAACGNA GAGAACCTTA CCAATCTTTG ACATCCTTTT GACACTCTAG	360
10	GAGATAGAGC CTTCCCTTCG GGGGGACnAA GTGACAGTTG	400
	(2) INFORMATION FOR SEQ ID NO: 3798:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3798:	
25	CACAAAACAA GCCAAGCAAA ACAAACGCAT ATAACGTAAC AACACATGGA AACGGCCAAG	60
	TATCATATGG CGCTCGCCCA ACACAAAACA AGCCAAGCAA AACAAATGCA TACAACGTAA	120
	CAACACATGC AAACGGTCAA GTGTCATACG GAGCTCGCCC GACATACAAG AAGCCAAGTA	180
30	AAACAAATGC ATACAATGTA ACAACACATG CAGATGGTAC TGCGACATAT GGGCCTAGAG	240
	TAACAAAATA AGTTTGTAAC TCTATCCAAA GACATACAGT CAATACAAAA CATTACGTAT	300
	CTTTACAACA GTAATCATGG CATTCTATGG ATGCTTCTAA CTGGAATTAA AGCATCGGAA	360
35	CAATCGGGAN GCATATTTCT AAAATTATTT ATTCCATTAT	400
	(2) INFORMATION FOR SEQ ID NO: 3799:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3799:	
	CTTCGCCGAT ATGGGGGAAG CTAGGTGATA AGATCAGCCG AAAATGGATG GTGTTAAGAG	60
50	CGTTACTTGG TTTGGCGGTA TGCTTATTTT TAATGGCATT GTGTACGACA CCATTACAGT	120
	TTGTACTTGT GAGGTTATTG CAGGGACTAT TTGGTGGTGT TGTTGATGCA TCAAGTGCGT	180
	TTGCGAGTGC AGAGGCGCCA CTGAAGGATC GTGGAAAGGT ATTAGGAAGA CTGCAAAGTT	240

	TTTTAGTGCG TTACTGATGA GTATTGCCGT TATTACTTTT ATTGTCTGTn TTTTCGGTGC	360
	CATTAAAATG ATTGAAACGA CACATATGGC CAAAnnCACA	400
5	(2) INFORMATION FOR SEQ ID NO: 3800:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3800:	
	GGAATCTATT ATATTAGATG TAAAAAATTT CGCGCAAAAT GTGTTAGGTA AAGGTGTCAT	60
	TGTCGTCAAT GATGTGCCTG GCTTTGTCGC AAATAGAGTC GGCACGCAAA CAATGAATGA	120
20	TATTATGTAT CGCGCCGAGC AACACAAGAT AAGCATTGTA GATGTGGATG CTTTAACTGG	180
	GCAAGCGATT GGTCGTCCTA AAACAGGTAC ATATGCGCTA TCTGACCTAG TCGGTTTAGA	240
	TATTGCAGTG TCTGTAAATT AAAGGCATGC AACAAGTACC TGAAGAAACA CCTTATTTTC	300
25	ATGATGTCAA AATGTAAATA CGTTGTTTGA CCATGGGCGC ACTCGGACGT TAAnnCGnAA	360
	ACCAAGGGTT TTTACCAAAA AGGGTTAAAG GGNAACTTAA	400
30	(2) INFORMATION FOR SEQ ID NO: 3801:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
35	(D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3801:	
40	TGCAGGCGTT TCTGGTCTGC ATAGTTTACG CATACGACCT GCGCGATCCT TATCTGGTAA	60
	TAAATTGTAA AACGATAGTT CCCGTTGTTC CTAATAGTTG TATTCTATCT GACGCATAAT	120
	GTGAAAAATA ACCTGCCATC TCTAAGCCCG GTCTTGATAT ATCAGCATTT TTAATTGGCT	180
45	TCGATAGTCC TTCTTCACCA GCGATTAAAT CTAACTTTAA TGTTTCAACT AGTTTTTCTG	240
	TCGTTAACAT GGGTTCACCT CAATTGTATT TACCCTACTC TTACATCTCT TCTTATCATA	300
50	TCAAAAATAT AACACCAATC TACATTGAAA AGCTAAAnTA AATATTAATG TTCATTATTG	360
	TTATNATTTT ACAAGTCAAT ATCATCATAA TTTATTGCTG	400
	(2) INFORMATION FOR SEQ ID NO: 3802:	
55		

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3802:	
10	TTTCACTTTT GAACCATGCG GTTCAAAATG ATTATCCGGT ATTAGCTCCG GTTTCCCGAA	60
	GTTATCCCAG TCTTATAGGT AGGTTATCCA CGTGTTACTC ACCCGTCCGC CGCTAACATC	120
	AGAGAAGCAA GCTTCTCGTC CGTTCGCTCG ACTTGCATGT ATTAGGCACG CCGCCAGCGT	180
15	TCATCCTGAG CCAGGATCAA ACTCTCCATA AAAATTATGA TGTTTGATTA GCTCATAAAT	240
	ACTAAATAAT GTTTGTAACT TATAGTTACG TTTTTTGGAA TTAACGTTGA CATATTGTCA	300
20	TTCAGTTTTC AATGTTCATT TTTCTTACCG ACAAGAATTA ATTATACATT TTATTAACAT	360
20	TTAAGTCAAT AACTTTnTTT ATCCTGTCCA TTTnATTTTT	400
	(2) INFORMATION FOR SEQ ID NO: 3803:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3803:	
	TAGTCACCAG ACATATGAAT GTAATTTATA CATTCAAAAC TAGATAGTAA GTAAAAGTGA	60
35	TTTTGCTTCG CAAAACATTT ATTTTGATTA AGTCTTCGAT CGATTAGTAT TCGTCAGCTC	120
	CACATGTCAC CATGCTTCCA CCTCGAACCT ATTAACCTCA TCATCTTTGA GGGATCTTAT	180
40	AACCGAAGTT GGGAAATCTC ATCTTGAGGG GGGCTTCATG CTTAGATGCT TTCAGCACTT	240
	ATCCCGTCCA CACATAGCTA CCCAGCTATG CCGTTGGCAC GACAACTGGT ACACCAGAGG	300
	TATGTCCATC CCGGTCCTCT CGTACTAAGG ACAGCTCCTn TCAAATTTCC TACGnCCAng	360
45	ACGGATAGGG ACCGAACTGT TTTCACGACG GTmCTGAACC	400
	(2) INFORMATION FOR SEQ ID NO: 3804:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 457 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AGTNCACTCA CNCCAGATGT TTAAGTCCTG TGCGTCTGCC AGTTCCGCCA CCCCGGCACT	60
	ATAAAAATGG AGCAGAAGAC GGGATTCGAA CCCGCGACCC CAACCTTGGC AAGGTTGTAt	120
5	TCTACCGCTG AACTACTTCT GCATATGCGG GTGAAGGGAG TCGAACCCCC ACGCCGTAAG	180
	TTAGWATCCT AAGTCTAGTG CGTCTGCCAA TTCCGCCACA CCCGCAAATG GTGAGCCATA	240
	GAGGATTCGA ACCTCTGACC CTCTGATTAA AAGTCAGATG CTCTACCAAC TGAGCTAATG	300
10	GCTCTTCCAT GGTGCCGGCC AGAGGACTTG AACCCCCAAC CTACTGATTA CAAGTCAGTT	360
	GCTCTtACCA ATTGAGCTAG GCCGGCAATA TGTAAGAATA AATGGTGGAG AATGACGGGT	420
15	TTCGAAACCG CCGnACCCTC TGGCTTGTTA AGGGCAG	<b>4</b> 57
	(2) INFORMATION FOR SEQ ID NO: 3805:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3805:	
	ACTITITATI TIGACGITITI AGACATAAAA AAAGCICACG GICTCAACII GCCIGGCAAC	60
30	GTTCTACTCT AGCGGAACGT AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT	120
	GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT ACTCATTTAG CTCTACTAAA	180
	CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA TTCAAACGTT TTCACTTCGC CAAGCCATIT	240
35	TTCTTTGTGT TTACTTTTTA TnTTGACGTT TTAGGCATAA AAAAAAGAGA CCTTGCGGTC	300
	TCAATGCGGC TCATCGCATC CATnTTTTGC CGGGCAACGT TCTACTCTTA GCGGAACGTA	360
	AGTTGGCTAC CATCGTCGCT AAAGACCTTT TTGGACTGTG	400
40	(2) INFORMATION FOR SEQ ID NO: 3806:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3806:	
- •	GTTATGAAAG TCGCGCTTAA AATGCGTTAA TGTGACAAGG ATAATTCAAC ATCGTTTCAT	60
	TTTACTGAGT CATTGCACTT ATCATACACA TTATATTTAG CATGAGTTAT ATTACTAAAA	120

	TCATTGGCTT AATATTTACA GCGCTTGGTA TIGCAGGTGC CGTATTACCT TTACTGCCAA	240
	CGACCCCTTT TTTACTCGTA GCAGTTTTTT GCTTTGCTCG AAGTTCAGAT CGCTTTTACA	300
5	ATTGGGCnnA TTAATCAAAA AATTTATAAA GAATATGTAG AAAACCTTTn TTTGACATCG	360
	AGGCTACACG CTACAACAGA AAATTGAAAA TTTAATTAGC	400
10	(2) INFORMATION FOR SEQ ID NO: 3807:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 388 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3807:	
20	AGGAGAACAT GCTGTTACAT TTGGAGAGCC TGCTATTGCA GTGACCGTTT AACGCAGGTA	60
	AAATCAAAGT TTTAATAGAA GCCTTAGAGA GCGGGAACTA TTCGTCTATT AAAAGCGATG	120
	TTTACGATGG TATGTTATAT GATGCGCCTG ACCATCTTAA GTCTTTGGTG AACCGTTTTG	180
25	TAGAATTAAA TAATATTACA GAGCCGCTAG CAGTGAACGA TCCAAACGAA TTTACCACCA	240
	TCACGTGGAT TAGGATCGAG TGCCAGCTGT CGCGGTTGCT TTTGTTCGTG CAAGTTATGG	300
30	ATTTTTTAGG GNAAATCATT AACGAAAGNA AGAACTCATT GGAAAAGGCT NATTGGGCCA	360
	GAAGCAAATT GCCACATGGT AAAACCAA	388
	(2) INFORMATION FOR SEQ ID NO: 3808:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 447 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3808:	
	ATGCGCAGAG TATATGGAGG AACACCAGTG TCGAAGCGCA CTTTCTGGTC TGTAACTGAC	60
45	GCTGATGTGC GAAACGTGKG GGATCAAACA GGATTAGATA CCCTGGTAGT CCACGCCGTA	120
	AACGATGAGT GCTAAGTGTT AGGGGGTTTC CGCCCCTTAG TGCTGCAGCT AACGCATTAA	180
50	GCACTCCGCC TGGGGAGTAC GACCGCAAGT TGAAAACTCA AAGGRATTGA CGGGGACCCG	240
	CACAAGCGTG GGAGCATGTG GETTAATTCG AAGCAACGNN GAGGAACCTT ACCAAATCTT	300
	GACATCCTTT GACAACTCTA GAGATAGAGC CTTCCCCTTC nGGGAACAAA TGACAGGTGG	360

	ACCCTTAAGC TTATTTGCCA TCATTAA	447
	(2) INFORMATION FOR SEQ ID NO: 3809:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> </ul> </li> </ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3809:	
15	CCAACTGAGC TACTGAACCA TAATAAAAAT GTAATGACTG GCGGTCTCGA CGGGAATCGA	60
	ACCCGCGATC TCCTGCGTGA CAGGCAGGCG TGTTAACCGC TACACTACGA GACCTATAAA	120
	ATATTGCGGG AGGCGGATTT GAACCACCGA CCTTCGGGTT ATGAGCCCGA CGAGCTACCG	180
20	AACTGCTCCA TCCCGCGATA ATAAAAAATA ATGGCGGAGG AAGAGGGATT CGAACCCCCG	240
	CGGCCCGTTA AGGCCCTGTC GGTTTTCAAG ACCGATCCCT TCAGCCGGAC TTGGGTATTC	300
	CTCCATTATT ATAGGTAAAT CGCTATTAAT TATAAAATTA AATGGCGGTC TCGACGGGAA	360
25	TCGAACCCGC GATCTCCTGC GTGACAGGCA GGCGTGTTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3810:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3810:	
	TGCTTGGTAA AATCTATATT TTACTTACTT ATCTAGTTTT CAATGTACAA ATAATGGTGG	60
40	GCCTAAGTGG ACTCGAACCA CCGACCTCAC GCTTATCAGG CGTGCGCTCT AACCAGCTGA	120
	GCTATAGGCC CATTTTTTG AATGTTAAAT AAACATTCAA AACTGAATAC AATATGTCAC	180
	GTTATTCCGC ATCTTCTGAA GAAGATGTTC CGAATATATC CTTAGAAAGG AGGTGATCCA	240
45	GCCGCACCTT CCGATACGGC TACCTTGTTA CGACTTCACC CCAATCATTT GTCCCACCTT	300
	CGACGGCTAG CTCCTAAAAG GTTACTCCAC CGGCTTCGGG TGTTACAAAC TCTCGTGGTG	360
	TGACGGGCGG TGTGTACAAG ACCCGGGAAC GNATTCACCG	400
50	(2) INFORMATION FOR SEQ ID NO: 3811:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 380 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3811:	
	GCTTCATGCT TAGATGCTTT CAGCACTTAT CCCGTCCACA CATAGCTACC CAGCTATGCC	60
10	GTTGGCACGA CAACTGGTAC ACCAGAGGTA TGTCCATCCC GGTCCTCTCG TACTAAGGAC	120
	AGCTCCTCTC AAATTTCCTA CGCCCACGAC GGATAGGGAC CGAACTGTCT CACGACGTTC	180
	TGAACCCAGC TCGCGTACCG CTTTAATGGG CGAACAGCCC AACCCTTGGG ACCGACTACA	240
15	GCCCCAGGAT GCGATGAGCC GACATCGAGG TGCCAAACCT CCCCGTCGAT GTGGAACTCT	300
	TGGGGGAGAT AAGCCTGTTA TnCCCGGGGT AGCTTTTATC CGTTGAGCGA TGGnnCTTCC	360
	ATGCGGGAAC CACCGGGATT	380
20	(2) INFORMATION FOR SEQ ID NO: 3812:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3812:	
	GAGGGATCTT ATAACCGAAG TTGGGAAATC TCATCTTGAG GGGGGCTTCA TGCTTAGATG	60
	CTTTCAGCAC TTATCCCGTC CACACATAGC TACCCAGCTA TGCCGTTAGC ACGACAACTG	120
35	GTACACCAGA GGTATGTCCA TCCCGGTCCT CTCGTACTAA GGACAGCTCC TCTCAAATTT	180
	CCTACGCCCA CGACGGATAG GGACCGAACT GTCTCACGAC GTTCTGAACC CAGCTCGCGT	240
	ACCGCTTTAA TGGGCGAACA GCAACCCCTT GGGACCGACT ACAGCCCCAG GATGCGATGA	300
40	GCCGACATCG AGGTGCCAAA CCTCCCCGTC GNTGTGAACT CTTGGGGGAG ATAAGCTGTT	360
	ATCCCCGGGT GAGNTTTNTC CGTTGA	386
45	(2) INFORMATION FOR SEQ ID NO: 3813:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3813:	

	CTTGGTACTT CTGGTGTTGG TGGCGTTGGT GTTTCCGGCT CACTTGGTAC TTCTGGTGTC	120
	GGTGGCGTTG GTGGCACGAT TGGAGGTGTT GTATCTTCTT CAATCGTTTG TTGACCTTCA	180
5	TTTTGGCCGC TTACTTTTGG AAGTGTATCT TCTTCAAAGT CAACACTATT GTGTCCACCG	240
	AATTGATAAC TTGGTTTATC TTTATTTGTA TCTTCTTCAA TAATTTCAGT GTGCTTATTG	300
	AATCCGTGAA TATGTGGCAC nTGGTCGAAG TCGATATCAA TGATGTTACC GCCATGTTCA	360
10	TACTTAGGTT TGTCTTTTC TGTAnCTTCC TCGAATGACT	400
	(2) INFORMATION FOR SEQ ID NO: 3814:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3814:	
	TAATTGGGCT ACCATCGTCG CTAAAGACCT TTCTTGACTT GTGACAATCG CTTGCTTCTT	60
25	TCCTCTCCTT CGGCTCTCGC TTACTCATTT AGCTCnACTA AACTCGTTGC GCnCTTTTCT	120
	CGTTTCGTCA GATTCAAACG TTTTCACTTC GCCAAGCCAT TTTTCTTTGT GTTTACTTTT	180
	TATTTTGACG TTTTAGGCAT AAAAAAAAGA GACCTTGCGG TCTCAATGCG GCTCATCGCA	240
30	TCCATTTTTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT AAGTTGGGCT ACCATCGTCG	300
	CTAAAGACCT TTCTTGACTT GTGACAATCG CTTGCTTCTT TCCTCTCCTT CGGCTCTCGC	360
35	TTACTCATTT AGCTCTACTA AACTCGGTGC GCTCTTTTCT	400
	(2) INFORMATION FOR SEQ ID NO: 3815:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3815:	
	TTCTTTCATA TGATTTTTTA GATTTTAGTA AGTCAATAAA GCCAATTTTC TCCAACGATT	60
	GAATGTAACG TTGATTGATA AATGTATTTC TTGGTAAATC ACCACCCGCT AAAATTGTGG	120
50	CGATATTTAA GGCAATATGA TAATCATGGT CGCTAATAAA ATGACCCCGT CTTTGCGCAT	180
	CTAATTGTCC TTGGATCAAT GCTTTGAAGT CTTCACCTAA AGCGATATAT TGATGTCTAG	240

	GTTGTGCTGT ATTGAAAATA ATCGTATCTG GTATCACGTA AATMACCATA ACGACGTGCC	360
5	TCCAAAGGCA TTTGGTANGA GCCTTCGGCA ATGCCGATAA	400
5	(2) INFORMATION FOR SEQ ID NO: 3816:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3816:	
	CCAATATTTA TATTAATGAA AATAAGATGT TATATTCATT GTTAATTTAA CACATAGTAA	60
	GANAAACAGT CATAAATTGA TTTCTAATTG AAATCATCTT ATGACTGCTT TTTATTATAC	120
20	TTTACATTTC TCGTTTCGTC AGATTCAAAC GTTTTCACTT CGCCAAGCCA TCTTTCTTTG	180
	TGTTTGCTTT TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTTGCGGT CTCAATGCGG	240
25	CTCATCGCAT CCACTTTTTG CCTGGCAACG TTCTACTCTA GCGGAAnTAA GTCGGACTAC	300
	CATCGACGCT AAGGAGCTTA ACTTCTGTGT TCGGCATGGG GAACAGGTGT GACCTCCTTG	360
	GCTATAGTCA CCAGACATAT GAATGTAAAT TCATACATTC	400
30	(2) INFORMATION FOR SEQ ID NO: 3817:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3817:	
40	TGTTATTGTT CAAAATCATG ATCAAGATCA GTATATCGGG GGGNATTATG AAGCGATGCA	60
	TACATTATCA CATAATAAGA TTAAATCACA ATTACGTATG ACCTTACCGG AGTACATGAT	120
45	ACCAGTTAAT TTCATGCATA TTGAGCAAAT TCCTATTACT ATTAATGGGA AATTAGATAA	180
	GAAGGCATTG CCTATCATGG ACTATGTCGA TACGGATGCC TATGTAGCAC CGAGTACAGA	240
	TACCGAACAC TTGCTATGCC AAATTTTTGC AGATATTTTA CATGTGAATC AAGTAGGTAT	300
50	TCATGATAAT TTCTTTGAAT TAGGTGGCCA TTCATTAAAA GCAACGTTAT GGnTGGAATC	360
	GGATAGAGGC ATCTACTGGG GAAACGATTA CCAATTGGGG	400
55	(2) INFORMATION FOR SEQ ID NO: 3818:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3818:	
10	TCGGAATCTG GGAGGACCAT CTCCTAAGGC TAAATACTCT CTAGTGACCG ATAGTGAACC	60
	AGTACCGTGA GGAGAAGGTG AAAAGCACCC CGGAAGGAAG TTGAAATAGA ACCTGAAACC	120
	GTGTGCTTAC AAGTAGTCAG AGCCCGTTAA TGGGTGATGG CGTGCCTTTT GTAGAATGAA	180
15	CCGGCGAGTT ACGATTTGAT GCAAGGTTAA GCAGTAAATG TGGAGCCGTA GCANAACATG	240
	TTCTGAATAG GGCGTTTAGT ATTTGGTCGT AGCCGnAAAC CAGGTGATCT ACCCTTGGTC	300
	CAGGTTGAAG TTCAGGTAAC ACTGGAATGG AGGACCGAAC CGACTTACGT TTGAAAAGTG	360
20	AGCGGATGAA CTGAAGGTAG CGGAGAAATT CCCAATCGAA	400
	(2) INFORMATION FOR SEQ ID NO: 3819:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3819:	
	CAACGAGAGA CTCGGTGAAA TCATAGTACC TGTGAAGATG CAGGTTACCC GCGACAGGAC	60
35	GGAAAGACCC CGTGGAGCTT TACTGTAGCC TGATATTGAA ATTCGGCACA GCTTGTACAG	120
	GATAGGTAGG AGCCTTTGAA ACGTGAGCGC TANTTACGTG GAGGCGCTGG TGGGATACTA	180
40	CCCTAGCTGT GTTGGCTTTC TAACCCGCAC CACTTATCGT GGTGGGAGAC AGTTTCAGGC	240
,,	GGGCAGTTTG ACTGGGGCGG TCGCCTCCTA AAAGGTAACG GAGGCGCTCA AAGGTTCCCT	300
	CAGAATGGTT GGAAATCATT CATAGAGTGT AAAGGCATAA GGGACTTGAC TGCGAGACCT	360
45	ACAAGTCGAG CAGGTCCAAA AACGGACnTA GTGATnCGGT	400
	(2) INFORMATION FOR SEQ ID NO: 3820:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TGGCTCGAAC CACCGACCTC ACGCTTATCA GGCGTCGCTC TAACCAGCTG AGCTATAGGC	60
	CATTAATTTG AATGAACAAA CATTCAAAAC TGAATACAAT ATGTCACGTT ATTCCGCATC	120
5	TTCTGAAGAA GATGTTCCGA ATATATCCTT AGAAAGGAGG TGATCCAGCC GCACCTTCCG	180
	ATACGGCTAC CTTGTTACGA CTTCACCCCA ATCATTTGTC CCACCTTCGA CGGCTAGCTC	240
10	CTAAAAGGTT ACTCCACCGG CTTCGGGTGT TACAAACTCT CGTGGTGTGA CGGGCGGTGT	300
	GTACAAGACC CGGGAACGTT ATTCACCGTA GCATGCTGAT CTACGATTAC TANCGATTCC	360
	AGCTTCATGT AGTCGAGTTT GCAGACTACA ATmCGAACTG	400
15	(2) INFORMATION FOR SEQ ID NO: 3821:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 3821:	
25	TATTAAATTA ATGGTGGGCC TAAnTGGACT CGAACCACCG ACCTCACGCT TATCAGGCGT	60
	GCGCTCTAAC CAGCTGAGCT ATAGGCCCAT TAATTTGAAT GAACAAACAT TCAAAACTGA	120
	ATACAATATG TCACGTTATT CCGCATCTTC TGAAGAAGAT GTTCCGAATA TATCCTTAGA	180
30	AAGGAGGTGA TCCAGCCGCA CCTTCCGATA CGGCTACCTT GTTACGACTT CACCCCAATC	240
	ATTTGTCCCA CCTTCGACGG CTAGCTCCTA AAAGGTTACT CCACCGGCTT CGGGTGTTAC	300
35	AAACTCTCGT GGTGTGACGG GCGGTGTGTA CAAGACCCGG GAACGTATTC ACCGTAGCAT	360
	GCTGATCTAC GATTACTNAG CGNTTCCAGC TTCCATGNTA	400
	(2) INFORMATION FOR SEQ ID NO: 3822:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3822:	
50	TCTACCAACT GAGCTAATGG CTCTAATGGC TGGGCTAGCT GGATTCGAAC CAACGAGTGA	60
	CGGATAAAGT CCGTTGCCTT ACCGCTTGGC TATAGCCCAA TATATAGATG GnGGAGGGGG	120
	GCAGATTCGA ACTGCCGAAC CCGAAGAGCG GATTTACAGT CCGCCGCGTT TACCACTTCG	180

	GAACCGCCGA CCCTCTGCTT GTAAGGCAGA TGCTCTCCCA GCTGAGCTAA TTCTCCAAAA	300
	TAATGACTCC TACGGACTCG AACCCGTGTT ACCGCCGTGA AAGGGCGGTG TCTTAACCGC	360
5		400
	TTGACCAAGG AGCCATGCTC CACAGTAGGA TTCGAACTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3823:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 391 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3823:	
	AACTTGCCTC TTTAGGTACA GCATGAGGCC CTAGGAAAGT ATGTTTCATG TCTAAATCAT	60
20	ATTTCTCAGC TAAACGATTA GACACTTTCA ATTGCTTCAG TTCATTTTCT CTATCTAATC	120
	CATAACCACT CTTACTTTCA ACTGCAnGCA CGCCGTGTTT AATCATAGTA AGCAAATCAT	180
	GCTCTGCTTT TTTAAACAAG TCATCTTCGG ATGTTTCTCT AGTAGCATTA ACGGTAGATA	240
25	ATATGCCACC ACCCATTTCT AATATTTCAA GGTAAGACTT ACCTGGACGT TTTAATGACA	300
	TCTCATGTTC TCGAGATCCA CCAAATGTNA AATGGGGTAT GTGGCATCTA CTAAGCCGGG	360
	GGACACTANC TTTCCCACTA GGCATCAATC G	391
30	(2) INFORMATION FOR SEQ ID NO: 3824:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3824:	
	ACATATCGAT AACATGACAT AACTCATGCT GGGTTTCCCC ATTCGGAAAT CTCTGGATCA	60
	AAGCTTACTT ACAGCTCCCC AAAGCATATC GTCGTTAGTA ACGTCCTTCA TCGGCTTCTA	120
45	GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT ATGTTTCCAT CCTACAGGAA	180
	ACGCGTTATT AATCTTGTGG AGTGTTCTTT CGAACACTGA GCGATTATTT CTTATGAATT	240
	CAAGCTTATT TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA TATTTTACTT	300
50	ACHTATCTAG TTTTCAATGT ACAATTCTTT TTAGTCAAGC GCTCGCATAA GCAATATCAC	360
	TTTGAACCAA AAAAGATTGG AAGGTGAAAT AAACATTCAA	400

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3825:	
10	ATCGATAACA TGACATAACT CATGCTGGGT TTCCCCATTC GGAAATCTCT GGATCAAAGC	60
	TTACTTACAG CTCCCCAAAG CATATCGTCG TTAGTAACGT CCTTCATCGG CTTCTAGTGC	120
15	CAAGGCATCC ACCGTGCGCC CTTAATAACT TAATCTATGT TTCCATCCTA CAGGAAACGC	180
	GTTATTAATC TTGTGAGTGT TCTTTCGAAC ACTAGCGATT ATTTCTTATG AATTCAAGCT	240
	TATTTAAAAC TCTTTATTCA CTCGGTTTTG CTTGGTAAAA TCTATATnTT ACTTACTTAT	300
20	CTAGTTTTCA ATGTACAATT TCTTTTTAGT CAAGCGCTCG CATAAGCAAT ATCACTTTAA	360
	CCAAAAATA TTTGAATGTn AAATAAACAT TCAAAACTGA	400
	(2) INFORMATION FOR SEQ ID NO: 3826:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3826:	
35	TCACTCACCG CAGATTTTTA AGTCCTGTGC GTCTGCCAGT TCCGCCACCC CGGCACTATA	60
	AAAATGGAGC AGAAGACGGG ATTCGAACCC GCGACCCCAA CCTTGGCAAG GTTGTATTCT	120
	ACCGCTGAAC TACTTCTGCA TATGCGGGTG AAGGGAGTCG AACCCCCACG CCGTAAGnCT	180
40	TAGATCCTAA GTCTAGTGCG TCTGCCAATT CCGCCACACC CGCAAATGGT GAGCCATAGA	240
	GGATTCGAAC CTCTGACCCT CTGATTAAAA GTCAGATGCT CTACCAACTG AGCTAATGGC	300
	TCTTCCATGG TGCCGGCCAG AGGATTTGAA CCCCCAACCT TATTGGTTAC AAGTCAGTTG	360
45	CTCTTACCAA TTGAGCTAGG nCGGCAATAT GTTAAGATTA	400
	(2) INFORMATION FOR SEQ ID NO: 3827:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3827:	
	AGTGGTGGAA TGGTCTTAAA AGTTGGTGGT CTAACTTTAG AGAAGACCAA AAGAAGAAAA	60
5	GTGATAAATA CGCTAAAGAA CAAGAAGAAA CAGCTCGTAG AAACAGAGAA AATATAAAGA	120
	AATGGTTTGG AAATGCTTGG GACGGCGTAA AAACTAAAAC TGGTGAAGCC TTTAGTAAAA	180
	TGGGCAGAAA TGCTAATCAT TTTGGCGGCG AAATGAAAAA AATGTGGAGT GGAATCAAAG	240
10	GAATTCCAAG CAAATTAAGT TCAAGTTGGA GCTCAGCCAA AAGTTCTGTA GGATATCACA	300
	CTAAGGCTAT AGCTAATTAG TACTGGTAAA ATGGTTTGGA AAAGCTTGGC CAATCTGTTA	360
15	AATTCGACTA CAGGAAGTAT TTACATTCAA ACTAGGCAAA	400
	(2) INFORMATION FOR SEQ ID NO: 3828:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3828:	
	TCTCAGTTCC AGTGTGGCCG ATCACCCTCT CAGGTCGGCT ATGCATCGTT GCCTTGGTAA	60
	GCCGTTACCT TACCAACTAG CTAATGCAGC GCGGATCCAT CTATAAGTGA CAGCAAGACC	120
30	GTCTTTCACT TTTGAACCAT GCGGTTCAAA ATATTATCCG GTATTAGCTA CGGTTTCCCG	180
	AAGTTATCCC AGTCTTATAG GTAGGTTATC CACGTGTTAC TCACCCGTCC GCCGCTAACA	240
35	TCAGAGAAGC AAGCTTCTCG TCCGTTCGCT CGACTTGCAT GTATTAGGCA CGCCGCCAGC	300
	GTTCATCCTG AGCCAGGATC AAACTCTCCA TAAAAATTAT GATGTTGAnT AGCTCATAAA	360
	TACTAAATAA TGTTGTAACT TATAGTACGT TTTTnGAAAT	400
10	(2) INFORMATION FOR SEQ ID NO: 3829:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3829:	
	CAAGCGCCAT GACATCATAA CTTTCTTGCA CAAGATATGT GAACGGCGGT GTTGATCCTA	60
	GATTCGTGGC ATGCATACGC AAACCATTTT CTTCAATTAC TTCACCAAGG CGTTTAAAAT	120

	ATTGATAAAA CCTTGATGTG TTTCGTGTCA ATGACATACC ATATCGACTA GGTACCTTTT	240
	TAGAATGTTG ATTAATCACA ACAAATATCA TGGCAAGGTC ATCTTCAAAA TGATTCGATT	300
5	CAAGTGGGAr SGGCATATGA CGTCTCATCA CLATACCCTL TnTnCCCATT CTGCAAATnC	360
	ACCCATAAAT ACTACGGGAC GGAGAACCCG TACCCATTTC	400
	(2) INFORMATION FOR SEQ ID NO: 3830:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3830:	
20	GGGTACTAAG ATGTTTCAGT TCTCCGGGTG TGCCTTCTGA TATGCTATGT ATTCACATAT	60
	CGATAACATG ACATAACTCA TGCTGGGTTT CCCCATTCGG AAATCTCTGG ATCAAAGCTT	120
	ACTTACAGCT CCCCAAAGCA TATCHCGTTA GTAACGTCCT TCATCGGCTT CTAGTGCCAA	180
25	GGATCCACCG TGCGCCCTTA ATAACTTAAT CTATGTTTCC ACCATTTTTA TAAGTCAAAC	240
	GCTCACATAC GGCTTCGTTT TCATTATTTT AAATGCTCAT TTACATAAGT AAACTCTGCT	300
	TTAAAATAAT TTAACTCATT GTCTGCTAAA CGTTTTCTTT TATAAAAAGA TTTAAACGCG	360
30	TTATTAATCT TGTGAGTGGT CCTTCGAACA CTAGCGATNA	400
	(2) INFORMATION FOR SEQ ID NO: 3831:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3831:	
	AAATGCGGCT CATCGCATCC ATTTTTTGCC TGGCAACGTT CTACTCTAGC GGAACGTAAG	60
45	TTGGCTACCA TCGTCGCTAA AGACCTTTCT TGACTTGTGA CAATCGCTTG CTTCTTTCCT	120
	CTCCTTCGGC TCTCGCTTAC TCATTTAGCT CTACTAAACT CGTTGCGCTC TTTTCTCGTT	180
50	TCGTCAGATT CAAACGTTTT CACTTCGCCA AGCCATTTTT CTTTGTGTTT ACTTTTTATT	240
	TTGACGTTTT AGACATAAAA AAAAGAGACC TTGCGGTCTC AATGCGGCTC ATCGCATCCA	300
	TTTTTTGCCT GGGCAACGTT CTACTCTAGC GGAACGTAAT TGGGCTACCA TCGACGCTAA	360

	(2) INFORMATION FOR SEQ ID NO: 3832:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3832:	
	AGCTTATTTT AAAACGTCGT TTATTCACTC TGGTTTTGCT TGGTAAAATC TATATTTTAC	60
15	TTACTTATCT AGTTTTCAAT GTACAATTTC TTTTTAGTCA AGCGCTCGCA TAAGCAATAT	120
	CACTTTAACC AAAAATATT TGAATGTTAA ATAAACATTC AAAACTGAAT ACAATATGTC	180
	ACATTATTCC GCATCTTCTG AAGAAGATGT TCCGAATATA TCCTTAGAAA GGAGGTGATC	240
20	CAGCCGCACC TTCCGATACG GCTACCTTGT TACGACTTCA CCCCAATCAT TTGTCCCACC	300
	TTCGACGGCT AGCTCCTAAA AGGTTACTCC ACCGGCTTCG GGTGTTACAA ACTCTCGTGG	360
	TGTGACGGGC GGTGTGTACA AGACCCGGGA ACGTATTTCA	400
25	(2) INFORMATION FOR SEQ ID NO: 3833:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3833:	
	TTTTCTTCTG GTAAAATATC TGCAATAACA GTATCTATGC CTACTTGTTT TGCAATGGCT	60
	TGAGCAGTGT TTTTATTATC GCCAGTTAAC ATGGCAACTT CAATGCCCAT ATCATGCAAT	120
40	TGTATTATAG CATCTTTGGC ATGATCTTTG ACAGTATCTG CCACTGCnAT GATACCAGTT	180
	AATGAATAAT TAACAGCAAT GAGCATAGCA GTTTTACCAT CTCGTTCATA ATGTGTTAAA	240
	TCATCAGAAA TATGCTTAGG CAAGCTAATA TCATTGTCAG CCATTAATnT ACGGGTTACC	300
45	AACCAATATA TGGTGATGAT CAATCCGTGG CTTCAATACC ATGGCCAGGT ACCGCTTNAA	360
	AGTTGTTGTC TCAGTTAATA TTAATTGCTT TCCTTTTGCA	400
	(2) INFORMATION FOR SEQ ID NO: 3834:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3834:	
5	NAATTATATG GACCTTGCAG GACTCGAACC TGCGACCGAA CGGTTATGAG CCGTTAGCTC	60
	TAACCAACTG AGCTAAAGGT CCTAAATATA ATTTTACAAC TAATAAATAG TNGCGGNNGA	120
	GGGGATCGAA CCCCCGACCT CACGGGTATG AACCGTACGC TCTAGCCAGC TGAGCTACAC	180
10	CGCCTTATAT AGTTTGTAAA TAATATGGTG GAGACTAGCG GGATCGAACC GCTGACCTCC	240
	TGCGTGCAAA GCAGGCGCTC TCCCAGCTGA GCTAAGCCCC CATAATAATT ACAGTATATC	300
	GGGAAGACAG GATTCGAACC TGCGACCCCT TGGTCCCAAA CCAAGTGCTC TACCAAGCTG	360
15	AGCTACTTCC CGTATAATTA ACGCGCCCGA TAGGAGTCGA	400
	(2) INFORMATION FOR SEQ ID NO: 3835:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3835:	
	AATAACAATT GCGCCACTAA AACTCAAAAT TTCCACCACC AACATCCAAA TTATCAACAT	60
30	CGCAACATAA CCAAATGTTA TAATAAATCT ATTACACAAA GAGATAAATT ACTTATGCAA	120
	AGGCGGAGGA ATCACATGTC TATTACTGAA AAACAACGTC AGCAACAAGC TGAATTACAT	180
35	AAAAAATTAT GGTCGATTGC GAATGATTTA AGAGGGAACA TGGATGCGAG TGAATTCCGT	240
	AATTACATTT TAGGCTTGAT TTTCTATCGC TTCTTATCTG AAAAAGCCGA ACAAGNATAT	300
	GCAGATGCCT TGTCAGGTGA AGACATCACG TATCNAGAAG CGTGGGCAGA TGAAGAATAT	360
40	CGTGAAGACT ThAAAAGCAG GAATTAATTG GTTCAAGTCG	400
	(2) INFORMATION FOR SEQ ID NO: 3836:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3836:	
	CTAATCGCAT CTTTTCAAT CTAAGTGCGT TTGTGACAAA CTTACTGAAC TTAGTGCCAT	60

	ATTATAGCCG AATGCCCAAA ATAGATTTTG ACGAATATTA CGAATGGTTG CTTTACTTGC	180
	ATAAATGGCT TTAGGAATAA GCATCAAGTC GCCACCAAGA ATAGTAATAT CAGCTGCTTC	240
5	AATGGCAACT TCTGTACCTG TACCAATGGC GATACCGATA TCAGCTTTAA CTAAATGCAG	300
	GTGCATCATT TACACCGTCA CCAACCATCG CAACCTTCTT ACCTGTTGGC TGTAGTTTCG	360
10	CAATTGTGGC AGCTTTTTnC TTCCGGnGAA AATATCNGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3837:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3837:	
	AGAGCGGATT TACAGTCCGC CGCGTTTACC ACTTCGCTAC CCCTCCAGCT TATTCATATA	60
25	ATTTAATAAT CAAAATGGTG GAGAATGACG GGTTCGAACC GCCGACCCTC TGCTTGTAAG	120
25	GCAGATGCTC TCCCAGCTGA GCTAATTCTC CAAAATAATG ACTCCTACGG GACTCGAACC	180
	CGTGTTACCG CCGTGAAAGG GCGTGTCTTA ACCGCTTGGA CCAAGGAGCC ATGGCTCAAC	240
30	AGGTAGGACT CGAACCTACG ACCGATCGGT TAACAGCCGA TAGCTCTACC ACTGAGCTAC	300
	TGTGGGATTA ATATTATGCC TGGCAACGTT CTACTCTAGC GGGAAGTAAN TCGGACTACC	360
	ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGG	400
35	(2) INFORMATION FOR SEQ ID NO: 3838:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3838:	
	AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCTTACT CATTTAGCTC TACTAAACTC	60
	GTTGCGCTCT TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA GCCATTTTTC	120
50	TTTGTGTTTA TTTTTATTTT GACGTTTTAG ACATAAAAAA AAGAGACCTT GCGGTCTCAA	180
	ATGCGGCTCA TCGCATCCAT TTTTTGCCTG GCAACGTTCT ACTCTAGCGG AAGTAATTGG	240
	GCTACCATCG ACGCTAAGAA CCTTTCTTGA CTTGTGACAA TCGCTTGCTT CTTTCCTCTT	300
55		

	TCAGATCCAA ACGTTTTCAn TCGnCCAAGC CAATTTGCCT	400
	(2) INFORMATION FOR SEQ ID NO: 3839:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 416 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3839:	
15	TTACGGCCGC CGTTTACTGG GGCTTCGATT CGTAGCTTCG CAGTAGACIC GACTCCTCTT	60
	AACCTTCCAG CACCGGGCAG GCGTCACCCT GATACATCAC CTTACGGTTT AGCAGAGACC	120
	TGTGTTTTG ATAAACAGTC GCTTGGGCCT ATTCACTGCG GCTCTTCTGG GCGTTAACCC	180
20	TAAAGAGCAC CCCTTCTCCC GAAGTTACGG GGTCATTTTG CCGAGTTCCT TAACGAGAGT	240
	TCGCTCGCTC ACCTTAGAAT TCTCATCTTG ACTACCTGTG TCGGTTTGCG GTAGGGCACC	300
05	TATTTTCTAT CTAGAGGCTT TTCTCGGCAG TGTGAAATCA ACGACTCGAG GACACAATGT	360
25	CTTCTCCCCA TCACAGETCA GCCTTGAACG rGTaCCGGAT TTGnCTAATG ATTCAG	416
	(2) INFORMATION FOR SEQ ID NO: 3840:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3840:	
	AAGTTAGGCT ACCATCCTCG CTAAGAACCT TTCTTGACTT GTGACAATCG CTTGCTTCTT	60
40	TCCTCTCCTT CGGCTCTCGC TTACTCATTT AGCTCTACTA AACTCGTTGC GCTCTTTTCT	120
	CGTTTCGTCA GATTCAAACG TTTTCACTTC GCCAAGCCAT TTTTCTTTGT GTTTACTTTT	180
45	TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTCACGGT CTCAAACTTG CCTGGCAACG	240
	TTCTACTCTA GCGGAACGTA AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT	300
	GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT ACTCATTTAG CTCTACTAAA	360
50	CTCGTTGGnG CTCTTTTCT CGGTTTnGTC AGAnTTCAAA	400
	(2) INFORMATION FOR SEQ ID NO: 3841:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3841:	
	CGCGACTGAN GAATACAATG NCTACGATAA CTAAACCCAA TCAATCTTTT CATTCTATCA	60
10	ATTCCTTTCA AAATCTTCAC TATATATCAT TAATGTCTAC GTATGAATCT AGCTAGAACA	120
	TTCCCTAGCG TTTGAATCAC TTGGACAATA ATGACTAATA CAATAACGGT AATAATAATG	180
	ACCGTCGTAT CAAATCTTTG ATAACCATAC ACTAAAGCTA AGTCTCCTAT ACCACCACCG	240
15	CCAACAGCTC CTGCCATCGC CGTACTTCCA ATAAGTCCAA TAATCGCAGT GGTAATTGCT	300
	AATACTAACG AACCTAAAGC TTCAGGAATT AAAAAATATC TAATGATTTG TAGTGGTGAA	360
	GCGCCCATCG CTTTCGCCGC TTCAATAATC CCCTCGTCTA	400
20	(2) INFORMATION FOR SEQ ID NO: 3842:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3842:	
	TCGCGATTCG CGTGTTCAGA AATCATCGGC ATCGCGTCAT TCAATGATTC ATATGCATCT	60
	AAAGCAATAG AAGATAATGT GTCTGGCACA TATACCCATG CCAACGTATC AGTAGACGTA	120
35	TGATGTTCTG CTACCGCAAA AACAGTTGTC TCTGGAATAT ACACACCTGA TTGTTTTAAT	180
	CCTTGTCTGA CATTTGGACG ATTACATATC ATCGCTAATA ACTTAGCATT AAAACCGCTT	240
	GATGCGCCAC CACAAGCCCC ACATTCAAGT GATGCATGAT GTGGATTATT GTGAGAATGA	300
40	CTAGCATGAC CTGCTAACAC AACGAACGGC GCAAATGCTT CGGKTAAATC CATCAATTTC	360
	AACGCTGTAA CGCGAATCAA TTGCTCTGCT CAGTAAATCC	400
45	(2) INFORMATION FOR SEQ ID NO: 3843:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3843:	

	GCCAACATCC TAGTTGTCTG GGCAACGCCA CATCCTTTTC CACTTAACAT ATATTTTGGG	120
_	ACCTTAGCTG GTGGTCTGGG CTGTTTCCCn GTCGAACACG GACCTTATCA CCCATGTTCT	180
5	GACTCCCAAG TTAAATTAAT TGGACATTCG GAGTTTGTCT GAATTCGGTA ACCCGAGAGG	240
	GGCCCCTCGT CCAAACAGTG CTCTACCTCC AATAATCATC ACTTGAGGCT AGCCCTAAAG	300
10	CTATTTCGGA GAGAACCAGC TATTTCCAGG TTCGATTGGG AATTCTCCGC TAACCTCAGT	360
	TCATCCGnTC ACTTTCAACG TAAnTCGGGT CGGGTCTCCA	400
	(2) INFORMATION FOR SEQ ID NO: 3844:	
15 20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 469 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3844:	
	ACTITIACTI GCTGCGCCTC CAGCCAAACC TGCTGTTCCA GCACCGATCG CTGCACCTTT	60
25	TTTGCCATTA TGATGATCTT TAGACTTATC TTGAGACGCT TTATCCTCAG TCGAGTTATT	120
	CGCCTTGCCA GAATTACTTT TGTTTTGAGC GTCATTTGAA TGTTTCTTAG CTTTAGAAGC	180
30	AGCCATTGCA CCAGCTGCAC CTGCAACACC TGCTGTTCCA GCACCAATAG CTGCTGCTTT	240
30	TTTACCATTA TGATGTTCTT TAGGTTCATC TTGATCTTGT TTTACAGAAT CATTATCATG	300
	TTCATTTTT GATGTTTCTG ATTGGTTAGC ACCTGTTGTA AAATATGGTT TAGGTTGCTG	360
35	AGATTGTTCA GCTTCACTCT TATCAGAAAC TGTTGAATGC TCAGTGTTAT TTTCTGCATT	420
	TTTAATAGTA TCGTGTTTAn CCATTGTCCT CGAATGGGTT CnGGATGTG	469
	(2) INFORMATION FOR SEQ ID NO: 3845:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
45	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3845:	
50	GCTTCACTAC CAAGTGAAGA AGTTGCTGAA ACTCCTGCAG CACCTGCAAC AGTAACATTA	60
	GAAGGCGACT TCCCAGAAAC AACTGAAAAA ATCCCTGCTA TGCGTAGAGC AATTGCGnAA	120
	CATGGTTTTA ACTCTAAGCA TACTGCACCT CATGTAACAT TAATGGATGA AATTGATGTT	180

	TTAACATTCT TACCTTATGT TGTTAAAGCA CTTGTTTCTG CATTGAAAAA ATACCCAGCA	300
	CTTAACACTT CATTCAATGA AGAAGCTGGT GAAATCGTTC ATAAACATTA CTGGGAATAT	360
5	CGGTATTGCA GCAGACACTG ATAGAGGATT ATTAGTACCT	400
	(2) INFORMATION FOR SEQ ID NO: 3846:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3846:	
	TTAAGCTACC ATCCTCGCTA AGAACCTTTC TTGACTTGTG ACAATCGCTT GCTTCTTTCC	60
20	TCTCCTTCGG CTCTCGCTTA CTCATTTAGC TCTACTAAAC TCGTTGCGCT CTTTTCTCGT	120
	TTCGTCAGAT TCAAACGTTT TCACTTCGCC AAGCCATTTT TCTTTGTGTT TACTTTTAT	180
25	TTTGACGTTT TAGACATAAA AAAAGAGACC TCACGGTCTC AACTTGCCTG GCAACGTTCT	240
25	ACTCTAGCGG AACGTAAGTT GGGCTACCAT CGTCGCTAAA GACCTTTCTT GACTTGTGAC	300
	AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCnTACT CATTTAGCTC TACTAAACTC	360
30	GTTGGCGCTC TTTTCTCGGT TCGTCAGATT CAAACGGTTT	400
	(2) INFORMATION FOR SEQ ID NO: 3847:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3847:	
	ATCGTCAACT TATTATTAGA CGATGTACAA GTTACATTAG ACAAAAAAGG TATTACGATG	60
	GACGTTTCTC AAGATGCGAA AGATTGGTTA ATTGAAGAAG GCTATGATGA AGAATTAGGT	120
45	GCACGTCCAT TAAGACGTAT TGTTGAACAG CAAGTACGTG ACAAAATTAC AGATTACTAT	180
	TTAGATCATA CAGACGTTAA ACATGTGGAT ATAGATGTTG AGGGATAACG AATTAGTCGT	240
50	AAAAGGTAAA TAACGACACT TTAACATATC GCGCATCAAA AATGAGCATC AGGTCGCCCT	300
	TGCCTGTGGC TCATTTTTT GAATTATTTC CCTGGGAAAA TGATTCGCTG TGTGCTGTTC	360
	TGTTnCCACA ACAATCACGA TTGAATGTGC ACATGTGACC	400

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3848:	
	TTTAAAACTC TTTATTCACT CGGTTTTGCT TGGTAAAATC TATATTTTAC TTACTTATCT	60
	AGTTTTCAAT GTACAAATAA TGGTGGGCCT AAGTGGACTC GAACCACCGA CCTCACGCTT	120
15	ATCAGGCGTG CGCTCTAACC AGCTGAGCTA TAGGCCCATT TITTTGAATG TTAAATAAAC	180
	ATTCAAAACT GAATACAATA TGTCACGTTA TTCCGCATCT TCTGAAGAAG ATGTTCCGAA	240
	TATATCCTTA GAAAGGAGGT GATCCAGCCG CACCTTTCCG ATACGGCTAC CTTGGTnACG	300
20	ACTTCACCCC AAATCATTTG TCCCACCTTC GACGGCTAGC TCCTAAAAGG TTACTCCACC	360
	GGCTTCGGGn GTTACAAACT CTCGTGGGTG TGACnGGCGG	400
25 30	(2) INFORMATION FOR SEQ ID NO: 3849:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3849:	
35	GTCTCAACTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT AAGTTGGCTA CCATCGTCGC	60
	TAAAGACCTT TCTTGACTTG TGACAATCGC TTGCTTCTTT CCTCTCCTTC GGCTCTCGCT	120
	TACTCATTTA GCTCTACTAA ACTCGTTGCG CTCTTTTCTC GTTTCGTCAG ATTCAAACGT	180
40	TTTCACTTCG CCAAGCCATT TTTCTTTGTG TTTACTTTTT ATTTTGACGT TTTAGGCATA	240
	AAAAAAAGAG ACCTTGCGGT CTCAATGCGG CTCATCGCAT CCATTTTTTG CCTGGCAACG	300
45	TTCTACTCTA GCGGAACGTA AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT	360
,,,	GACAATCGCT TGCTTCTTTC CTnTCCTTCG GCTCTCGCTT	400
	(2) INFORMATION FOR SEQ ID NO: 3850:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 463 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3850:	
	GTCTACTAAT GTTACAACCA CACCTGATTA ATTGCTTTTT TAGCAGTAAT TGCCACATCT	60
5	GTGTGACGAT AATGATATGC GACAGTTAAT AATTTGTGAT TTTTATTAGC CGCTTCAATC	120
	ATGCGATCAC ACTCTTCCGT CGTCATCGCC ATTGGCTTTT CACACAATAC ATGGACACCA	180
10	TGGTTCAATG CTTCTATAGA AAGATCAGCA TGGAATTTAT TAGGTGTACA AATGACCACC	240
10	GCATCAACAA GTTTAAACAG CTCGCTAGGT GTCTCAACTG CATGAGGTAT ATTAAAGCGC	300
	TTCGCAACAT CAATCATCTG CACTGTATTA ATATCTTGTA CTGCAACTAA TGAGACTGTG	360
15	TCTTTGAGTT TCAGCAATGC TGGAATATGA CGGTCTTGTG CAATACCACC AACAACTATG	420
	CACACCAACT TTTAAnTTTG TnCATGATGT GCCnGCTTnA CCG	463
	(2) INFORMATION FOR SEQ ID NO: 3851:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 628 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3851:	
	TATGCTCTAA TGCTGGGCTT AGTGGATTCG ACCAACGAGT GACGAAGTCA AAGTCAGTTG	60
30	CTTTACGCTT GGCTATAGCC CCAATATATA GATGTTGGAG GGGGCAGATT CGAACTGCCG	120
	AACCCGAAGG AGCGGATTTA CAGTCCGCcG CGTTTAGCCA CTTCGCTACC CCTCCAGCTT	180
35	ATTCATATAA TTTAATAATC AAAATGGTGG AGAATGACGG GTTCGAACCG CCGACCCTCT	240
	GCTTGTAAGG CAGATGCTCT CCCAGCTGAG CTAATTCTCC AAAATAATGA CTCCTACGGG	300
	ACTCGAACCC GTGTTACCGC CGTGAAAGGG CGtGTcTTAA CCGCTTGACC AAGGAGCCAT	360
40	GGCTCaCAGG TAGGACTCGA ACCTACGACC GATCGGTTAA CAGCCGATAG CTCTACCACT	420
	GAGCTACTGT GGATTAATAT TATGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTtCG	480
	GACTrACCAT CGACGCTGAA GGAGCTTAAa CTTCTGTGTT CGGCATGGGA ACAGGTGTGA	540
45	CCTCCTTGCT ATAGTCACCA GACATATGGA ATGTGAATTT GATGACATTG CAAAANTAGn	600
	TTAGTAAGTA AAAGTGGATT TTGGnTTn	628
50	(2) INFORMATION FOR SEQ ID NO: 3852:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:         <ul> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> </ul> </li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3852:	
5	TAAAGATTTA AAAGTAGCTG TTATTGGNAC AGGTCGAATT GGCCGTGTAG TAGCCGATAT	60
	ATTTGCCAAT GGTTATCAAA GTGATGTGGT CGCATACGAC CGTTTCCTAA TGCTAAAATT	120
	GCAACGTATG TCGATTACAA AGATACGATT GAGGAAGCGG TTGAAGGTGC TGATATCGTG	180
10	ACATTACATG TACCTGCAAC GAAATATAAT CATTATCTAT TTAATGCTGA ATTATTTAAA	240
	CATTTTAAAA AGGGCGCnTA TTTGTCAATT GTGCGAGAGG TTCTTTAGTA GGATACTAAG	300
	GCGTTATTAG ACGCATTAGA CAATGGTGTG ATTAAAGGTG CAGCACTTGn TTACGTATGG	360
15	ATTTGGAACG GCAAACTTTT TCCCAAGTGG TCCAAAGGGG	400
	(2) INFORMATION FOR SEQ ID NO: 3853:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3853:	
	TCTTAAACAT TAGCCACAGC TAATTGTGAC TTAAAAATAG GAATACATGA GTAAAACTCA	60
30	TCATAAGAAA TACTAATTTC TATAGAAAAA GTATTACTTT ATCGTTGTCC CACCCCAACT	120
	TGCACATTAT TGTAAGCTGA CTTTCCGCCA GCTTCTGTGT TGGGGCCCCG CCAACTTGCA	180
	CATTATTGTA AGCTGACTTT TCGTCACTTG CTGTGTTGGG GCCCCGCCAA CTTGCACATT	240
35	ATTGTAAGCT GACTTTCGT CACTTnCTGT GTTGGGGCCC CGCCAACTTG CATTGTCTGT	300
	AGAAATTGGG AATCCAATTT CTGCTATGTT GGGGCCCACA CCCCAACTnC GCATTGCCTG	360
	TAGAATTTCT TTTCGAAATT CTCTGTGTTG GGGGCCCACA	400
40	(2) INFORMATION FOR SEQ ID NO: 3854:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3854:	
	GTGCAATCTG CGTTAACAAA TGTAAATCGT GTCAATGAGC GATTAACGCA AGCAATTAAT	60

	GAAATCAATA NATCAGTAAC TACTGATGGT ATGACACAAT CATCAATCCA AGCATATGAA	180
	AATGCTAAAC GTGCGGGTCA AACAGAATCA ACAAATGCAC AAAATGTTAT TAACAATGGT	240
5	GATGCGACTG ACCAACAAAT TGCCGCAGAA AAAACAAAAG TAGAAGAAAA ATATAATAGC	300
	TTAAAACAAG CAATTGCTGG ATTANCTCCA GACTTGGCAC CATTACAAAC TGCAAAANCT	360
	CAGTTGCAAA TGnTATTGTC AGCCACGAGT ACGGCTGGTA	400
10	(2) INFORMATION FOR SEQ ID NO: 3855:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3855:	
	TGTGTGAAAA ACCAATGGCT GAAAACGACA GCAGAAGCTC AAAAAATGAT AGATACAGCT	60
	AAATCAACAG GTAAAAAATT AACAATAGGT TATCAAAATC GTTTCCGAGC AGATAGTCAA	120
25	TTTTTACATC AAGCAGCGCA ACGTGGCGAC TTAGGAGACA TTTACTTCGG AAAGGCACAT	180
	GCCATTCGTC GTCGAGCAGT ACCAACATGG GGTGTCTTTC TAGACGTAGT AAGCTCAAGG	240
	TGGAGGACCA TTAATCGATA TCGGTACACA CGCTTTAGAT TTAACGTTAT GGATGATGGA	300
30	TARTTATGGA ACCAGAATCA GTGATGGGTT TCAACATTCC ATAAATTRAA TAAACAGCCT	360
	CATGCGGGCA AACGCTTGGG GTTTCAGGnG TTCCAGATGG	400
35	(2) INFORMATION FOR SEQ ID NO: 3856:	
33	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
40	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3856:	
45	CGTTCTCAAT AGAATGATTT AAATCTTCGA TTTCTTTATC TAAATGACTA CCAATTAAAT	60
	CTATTTCTTC TATTGTTAAA TCGCTATCTC CATCTTCTTT TATCTCTGGT ATTATTTTTT	120
	CTTCAACTAA GTCACGATAT AATGTTTTTG AATTTTCGTT CAATTTCGAT TCGTGATTTT	180
50	GAATACTTTT CTTCCACACA AATGTATATC TATTGGCATT AGCTTCTACT TTTGTACCAT	240
	CAATAAAAAT TGAATTATTA TCAATAAGAT TTTGCTTTAA ACATTGACTA TGGAACTGAA	300

	TATAAGAAGG nGGTTGGAnC nTGAGCGAAC CACAnCATCC	400
-	(2) INFORMATION FOR SEQ ID NO: 3857:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 381 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> </ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3857:	
15	GGCATACCAT GGTCAAACGC GTGATGATCA AGTAACATCA CATGTTCAAC ATATTTTTGA	60
	AGTTGTGAAT GCACATGGTA AACATTTTTG TGCATTACCA CGTGAAGATG AAGATATTGC	120
	AAAATGGCAG GCACAAGGTG TACAAACATT TATTTTAGGT GATGATCGCG GAAAAATATA	180
20	TCGCCATTTA AGTGCATCTC TAGCGACGTC TAAACAGAAA GGGGATGAAG GCTAATGCGT	240
	AAAGTTCAAC CTGTTATTGA ACAATTAAAA GCACAATCTC ATCCAGTTTG TCATTAAATC	300
	TATGATTTAG TCGGACTGGG ACATCATTTG CANCATATTA CATCGNCCTT GCCGAGTAAT	360
25	TGTCAAATGT ACTATGCAAT G	381
	(2) INFORMATION FOR SEQ ID NO: 3858:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3858:	
	GCATGAAGCC CCCCTCAAGA TGAGATTTCC CAACTTCGGT TATAAGATCC CTCAAAGATG	60
40	ATGAGGTTAA TAGGTTCGAG GTGGAAGCAT GGTGACATGT GGAAGCTGAC GAATACTAAT	120
	CGATCGAAGA CTTAATCAAA ATAAATGTTT TGCGACAATT CACTTTTACT TACTATCTAG	180
	TTTTGAATGT ATAAATTACA TTCATATGTC TGGTGACTAT AGCAAGGAGG TCACACCTGT	240
45	TCCCATGCCG AACACAGAAG TTAAGCTCCT TAGCGTCGAT GGTAGTCGAA CTTACGTTCC	300
	GCTAGAGTAG AACGTTGCCA GGCAAAAAAT GGATGCCGAT GGAGCCGCAT TGAGACCGCA	360
50	GGnCTnTTTG TTTTTTATGT CTAAAACGTC CAAATTAAnA	400
-	(2) INFORMATION FOR SEQ ID NO: 3859:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 573 base pairs	

(C) STRANDEDNESS: double
(D) TOPOLOGY: linear

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3859:	
	GTTTATTAAT CGTGTCATTA GCATCTTTAT AATTGCTTCT AATCGTATTC AAATCACCTA	60
10	ATGTTAAATC TGTTTTAACA TTATTTTGAA TTTCATTCAT GCATCTGAAT CTGAATCGCT	120
	ATCTGAATCT GAGTCGTTGT CTGAGTCCGA nTCGCTATCT GAnTCTGAGT CGCTGTCTGA	180
	ATCTGAATCG CTATCCGAGT CTGAGTCGCT ATCTGAGTCT GAGTCGCTAT CTGAATCTGA	240
15	ATCGCTGTCT GAGTCTGAAT CGCTATCTGA GTCTGAATCG CTGTCCGAAT CTGAGTCGCT	300
	ATCTGAATCT GAATCGCTAT CTGAATCTGA GTCGTTGTCT GAGTCCGAAT CGCTATCTGA	360
	ATCTGAGTCG CTATCTGAGT CTGAGTCGCT ATCTGAATCT GAGTCGCTGT CTGAATCTGA	420
20	ATCACTGTCT GAGTCTGAGT CGCTGTCTGA AGTCTGAATC GCTGTCAGAA TCTGAGTCGC	480
	CAACTGAGTC TGAATCTGAA TCACTGGTCT GAGTCCGAAT CGCNATCTGA ATCNGAATCG	540
25	Chaaccgagt ccgaagccgc naatccgaat ctg	573
	(2) INFORMATION FOR SEQ ID NO: 3860:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3860:	
	GAGCTACACC GCCTTATATA GTTTGTAAAT AATATGGTGG AGACTAGCGG GATCGAACCG	60
40	CTGACCTCCT GCGTGCAAAG CAGGCGCTCT CCCAGCTGAG CTAAGCCCCC ATAATAATTA	120
	CAGTATATCG GGAAGACAGG ATTCGAACCT GCGACCCCTT GGTCCCAAAC CAAGTGCTCT	180
	ACCAAGCTGA GCTACTTCCC GTATAATTAA CGCGCCCGAT AGGAGTCGAA CCCATAACCT	240
45	CTTGATCCGT AGTCAAACGC TCTATCCAAT TGAGCTACGG GCGCATATGT TTTTATTGnA	300
	AAATGGTGCC GAGGNACCGG GAATCGGAAC CGGTACGGTT GATNCACTCA CCGGCAGGAT	360
	TTTTAAGTCC TGTGCGTCTG CCAGTTCCGC CACCCCGnGC	400
50	(2) INFORMATION FOR SEQ ID NO: 3861:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3861:	
	TGTTGCGACT AAACCATTAC CTATCGCACA TATGACGAAA CCAATGATAA CTGCAATGAC	60
5	ATATTGTGAT GCCAATAATT GAGTCATGCT AATAATAGTG ATGCCGATGA CAGGGAACAA	120
	CGGACCAATG ATGAGCATCA ATTTGCCACC GAAACGTAAT GTTGCTTTTT CACCTAAACG	180
	AATCATCGCA ACTGCCACAA TGGCATATGG CAATGTAACA nGTCCAGATT GCGCACTGAT	240
10	AAACCAAGGT GTGTTTGAGC ATATATGAAA AAGACCACTG TTACGCCTAG ACCGCTATTT	300
	AAAACAAAGT TATTTAAAAA TGCACCAATG GAACGGACGG TTGCGTAATA CTGGAGAAnT	360
15	CAATAAAAGG TACTTCCATG TCCGACGTTC CGATGGATGG	400
	(2) INFORMATION FOR SEQ ID NO: 3862:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3862:	
	GTGCGCATGG GAACTATCAA GCTTTGAAGA TGTGGTACTA CATGCGTTGA ATTAGGGATC	60
30	GGTACTTTAT ATGAAGACGT GCTGCTTCCA TTAAATGAGT GATGCGATTT TGGCATGAAG	120
	GTCACCTTAA ATGTACATTG TTGTAATAAA ATTGCCTATA AATTTTTAGC ACATAAAATA	180
	AGAGGAGCCA ACCATTGTTA GACTATAACA ACGGTTGGCT CTTTAATTGT AAAAAGAAAA	240
35	CCATACGCTA TGCGTATGGT TCAGAAAAGG TCTACCATTG TCACCAAAAA TGCATCTCTA	300
	CGTGCTAGAA TAAATATTGG TCAGCCAACC AAAATAATCC ACACGGGGAG ATGCTATTTA	360
	ATGTCCTCCT GACACCAACA GTTAGCACCA TACAAAATGG	400
40	(2) INFORMATION FOR SEQ ID NO: 3863:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3863:	
	TCGGCAAGCC ATTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAA	60

	CTAGCGGAAC GTAAGTTGGC TACCATCGAC GCTAAGAACC TTTCTTGACT TGTGACAATC	180
	GCTTGCTTCT TTCCTCTTCT TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG	240
5	CGCTCTTTTC TCGTTTCGTC AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG	300
	TGTTTGCTTT TTATTTTGAC GTTTTAGACA TAAAAAAAA AGACCTTGCG GTCTCAAATG	360
10	CGGCTCATCG CAThCATTnT TGCCGGCAAC GTTCTACTCT	400
	(2) INFORMATION FOR SEQ ID NO: 3864:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3864:	
	GTACTATAGA ATTAAAGAAT TATAAAAATA TAATCCTGAT TAGCTTGTTG TCAAGTCATC	60
.25	GTTCATAATG AAGATATCAC GTTCAATTGT ATTGTTTGTT TATGGGAAAT GAATTAATGT	120
25	AATAGTATAT GTATGCGGTT ACATAAAAAG CGAACATCTA ACCTGATATT TAAATGAACC	180
	TGACGCTCAA TCAACTAATT TACAACCGTA TTTTTATAAT CAACCATAAA GGAGGAGATA	240
30	GAAAATGAAT AGTGCAAAAT TGATTGATCA CACTTTATTG AAGCCTGAGT CAACACGTAC	300
	GCAAATCGAT CCAAATCATC GATGAAGCGA AGCATACCAT TTTAAATCTG TATGTGTGAA	360
	TCCAACGCAT GTTAAAnGTG CCAGCAGAGC GACTAGCTGG	400
35	(2) INFORMATION FOR SEQ ID NO: 3865:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3865:	
	GCAGCACGTC TTCATATAAA GTACCGATCC CTAATTCAAC GCATGTAGTA CCACATCTTC	60
	AAAGCTTGAT AGTTCCCATG CGCACACCAC GTTTCATACT AGCTATGCGA GCTCAACTTG	120
50	GTTCATAAAC TCTTTAATAT AAGTCAATGT TTCAACCATC GCTGGTGGTC TTGGCACATG	180
	TCCTTCTGCC ATTTGATAAA ATGTTTCATG CGTGGCACCT TTTAACTCTA GTTGGTCCGC	240
	TAAATAATAC GCATGATGAA TACCAACTTG CTGGTCTTTC CCTCCATGTA CAATTAATAT	300

	TTTTTTCGGA TGACCAATCA TTCTTCGTAG CATGCCTCTT	400
	(2) INFORMATION FOR SEQ ID NO: 3866:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
, •		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3866:	
15	AAGTCAATAA CTTTTTTTAT CTTGTCCATT TTATTTTTTA ACCAAAATTT GATTAAAAAA	60
	CTGCCTGGCA ACGTTCTACT CTAGCGGAAC GTAAGTTCGA nCTACCATCG ACGCTAAGGA	120
	GCTTAACTTC TGTGTTCGGC ATGGGAACAG GTGTGACCTC CTTGCTATAG TCACCAGACA	180
20	TATGAATGTA ATTTATACAT TCAAAACTAG ATAGTAAGTA AAAGTGATTT TGCTTCGCAA	240
	AACATTTATT TTGATTAAGT CTTCGATCGA TTAGTATTCG TCAGCTCCAC ATGTCACCAT	300
	GCTTCCACCT CGGAACCTAT TAACCTCATC ATCTTTGGAG GGGATCTTAT AACCGGAGGT	360
25	TGGGGnAAAT CTCATCTTGA GGGGGGGCTT CCAGGCTTAG	400
	(2) INFORMATION FOR SEQ ID NO: 3867:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3867:	
	CACCTATAAT CGTTTTAATC GATGGGGGGA CGCATAGGGA TAGGCGANGT GNCGATTGGA	60
40	TTGCACGTCT AAGCAGTAAG GCTGAGTATT AGGCAAATCC GGTACTCGTT AAGGCTGAGC	120
	TGTGATGGGG AGAAGACATT GTGTCTTCGA GGTCGTTGAT TTCACACTGC CGAGAAAAGC	180
	CTCTAGATAG AAAATAGGTG CCCGTACCGC AAACCGACAC AGGTAGTCAA GATGAGAATT	240
45	CTAAGGTGAG CGAGCGAACT CTCGTTAAGG AACTCGGCAA AATGACCCCG TAACTTCGGG	300
	AAGAAGGGTG CTCTTTAAGG TTAACGCCCA GAAGAGCCGC ATGAATAGGC CCAAGCGACT	360
50	GTTTAnTCAA AACACAGTCT CTGCTAAACC TAAGGATGTA	400
	(2) INFORMATION FOR SEQ ID NO: 3868:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 383 base pairs	
55	(A) DENGIA. 303 DESC PAILS	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3868:	
	TTCTTTGGAA ATAGTAACGT TGAAGTTGTA CTCACTGGTG ATACATTTGA TCACTGTTTA	60
10	GCTGAAGCTT TAACTTATAC AAGTGAACAT CAAATGANCT TTATAGATCC ATTCAATAAT	120
	GTTCATACAA TITCTGGACA AGGTACGCTT GCTAAAGAAA TGCTAGAACA AGCAAAGTCT	180
	GACAATGTTA ACTTTGATTA TCTATTTGCC GCAATTGGTG GTGGCGGTTT AATTTCAGGT	240
15	ATTAGTACTT ACTTTAAAAC CTATTCACCT ACCACGNAAA TTATAGGTGT TGAACCTTCA	300
	GGTGCCAAGT AGTATGTGAT GGAATCTGTT GTGAAATATT CAGGTAGTCA CATTGCCCTA	360
	Antcgataaa titgtggacg gtg	383
20	(2) INFORMATION FOR SEQ ID NO: 3869:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3869:	
	CTAAGCTTAA GGGTTGCGCT CGTTGCGGGA CTTAACCCAA CATCTCACGA CACGAGCTGA	60
	CGACAACCAC CACCTGTCAC TTTGTCCCCC GAAGAAGNGC TCTATCTCTA GATTGTCAAA	120
35	GGATGTCAAG ATTTGGTAAG GTTCTTCGCG TTGCTTCGAA TTAAACCACA TGCTCCACCG	180
	nTTGTGCGGT TCCCCGTCAA TTCCTTTGAG TTTCAACCTT GCGGTCGTAC TCCCCAGGCG	240
	GAGTGCTTAA TGCGTTANTG CCAGCACTAA GGGGCGGAAA CCCCCTAACA CTTAGCACTC	300
40	ATCGTTTACG GCGTGGACTA CCAGGGTATC TAATCCTGTT TGATCCCCAC GGTTTCGCAC	360
	ATCAGCGTCA TTTACAGACC AGAAAGTCGn CTTCGGCAAT	400
45	(2) INFORMATION FOR SEQ ID NO: 3870:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 377 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

2724

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3870:

	GTGTGCCTTC TGATATGCTA TGTATTCACA TATCGATAAC ATGACATAAC TCATGCTGGG	120
	TTTCCCCATT CGGAAATCTC TGGATCAAAG CTTACTTACA GCTCCCCAAA GCATATCGTC	180
5	GTTAGTAACG TCCTTCATCG GCTTCTAGTG CCAAGGCATC CACCGTGCGC CCTTAATAAC	240
	TTAATCTATG TTTCCATCCT ACAGGAAACG CGTTATTAAT CTTGTGAGTG TTCTTTCGAA	300
10	CATGAGCGAT TATTTCTTAT GAATTCAAGC TTATTTAAAA CTCTTTATTC ACTCGGTTTT	360
,,,	GCTTGGTAAA AGCnnGn	377
	(2) INFORMATION FOR SEQ ID NO: 3871:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3871:	
	ATAACGTTGC CCCTCCCATG TATATCCTAC CCAAACATGA CCATCTTGTA ACATCACTTC	60
25	TGTATAATCA CAATACCCAC CAGGTTGGAA CTGATAACCC ACTGGACAAG ATAAGAATGG	120
	CCCCACTTTT CTTACTGTGA TTGGTTGATT GCCGTTTGTG AATCTAGCAC TTTCTTCCAT	180
30	GTAGTAAGTA CCATATTTAT TACGTTTCCA TGCACTTGCA ACTGGTTTAA CTGTATTACT	240
	TGAAGCGCTT GACTCATTAG AGACAGTGGC AACCGGTATT TTACCATCCA TGTACGCCCT	300
	AAATCTGCTT GATAAAGTAG TCTTTTAAGT TGCAACCGCT TGTCTTCTGG GCAATAGACC	360
35	GCGAGTTACN GGGGTCCAAA CCCNTGGTGT AAAANCGAAC	400
	(2) INFORMATION FOR SEQ ID NO: 3872:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3872:	
	CGCTACACTA CGAGACCATT AGTAAAACGC AGGAAGAGGG ATTCGAACCC CCGCGAGCCG	60
50	TTAAGCCCCT GTCGGTTTTC AAGACCGATC CCTTCAGCCG GACTTGGGTA TTCCTCCAAA	120
50	ATTATATGGA CCTTGCAGGA CTCGAACCTG CGACCGAACG TTATGAGCCG TTAGCTCTAA	180
	CCAACTGAGC TAAAGGTCCT AAATATAATT TTACAACTAA TAAATAGTGG CGGTGGAGGG	240

	GCCTTATATA GTTTGTAAAT AATATGGTGG AGACTAGCGG GGATCGAACC GCTGTACCTC	360
	CTGCGTGCAA ACGGGCGCTC TTCCCAGCTG nAGCTAAAGC	400
5	(2) INFORMATION FOR SEQ ID NO: 3873:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 584 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3873:	
	ACAGCTCACG GTCTCAACTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT AAGTTGGCTA	60
	CCATCGTCGC TAAAGACCTT TCTTGACTTG TGACAATCGC TTGCTTCTTT CCTCTCTCG	120
20	GTCTCGCTTA CTCATTTAGC TCTACTAAAC TCGTTGCGCT CTTTCTCGTT TCGTCAGATT	180
	CAANNGTTTT CALTCGCCAA GCCATTTTTC TTTGTGTTTA CTTTTTATTT TGACGTTTTA	240
	GGCATAAAAA AAAGAGACCT TGCGGTCTCA ANTGCGGCTC ATCGCATCCA TTTTTTGCCT	300
25	GGCAACGTTC TACTCTAGCG GAANTAAGTT GGGCTACCAT CGTCGCTAAA GACCTTTCTT	360
	GACTTGTGAC AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCTTACT CATTTAGCTC	420
30	TACTAAACTC GTTGCGCTCT TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA	480
	GCCATTTTTC TTTGTGTTTA CTTnTnATTT TGACGTTTTA GACATAAAAA AAAGAGACCT	540
	TGCGGTCCAA ATGCGGGCTC ATCGCATCCA TTTTTTGCCT GGGC	584
35	(2) INFORMATION FOR SEQ ID NO: 3874:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3874:	
45	TTTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAANTTGG CTACCATCGT CGCTAAAGAC	60
	CTTTCTTGAC TTGTGACAAT CGCTTGCTTC TTTCCTCTCC TTCGGCTCTC GCTTACTCAT	120
50	TTAGCTCTAC TAAACTCGTT GCGCTCTTTT CTCGTTTCGT CAGATTCAAA CGTTTTCACT	180
	TCGCCAAGCC ATTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAA	240
	GAGACCTTGC GGTCTCAATG CGGCTCATCG CATCCATTTT TTGCCTGGCA ACGTTCTACT	300

	GCTTGCTTCT TCCTCTTCT TCGGCTCTCG CTTACTCATT	400
	(2) INFORMATION FOR SEQ ID NO: 3875:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3875:	
15	TCTGCTAATT TAAAAATGAT ATTTTCTATC TTTTCTTTAT TATTAACGTC TAATGCACTG	60
	GTCGATTCAT CTAATAAAAG AATATCCGGT GTATACATCA GTTGGCGCGC TATAGCAATT	120
	CTTTGCCGCT CACCACCCGA CATATTTTCC ACTTCCGAAC TTAATTGATA ATGTCCCAAA	180
20	CCGACATCTT TAATTAATTG CTTTGCACGT TTTCTATCAA ATTTATCATT ACGTGCAAGT	240
	GATGGGAATA TCATGTTATC TTCAATCGGT CACCAAACAA GTCACTTTGC TGCATCAAAT	300
	AACTGATTCG TTGACGCCAA TTCTTCCGGG GCATAATnCA TATAGGGGTT ACCTTAAAAA	360
25	TAAAGGTCCT CCACTAGTTG GCCTANACNA ATTACATAAN	400
	(2) INFORMATION FOR SEQ ID NO: 3876:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3876:	
	AGATAGACTT TCTGGTGAAG ATACACGTGA AGGTATGACA GCAATTATAT CTATCAAACA	60
	TGGTGATCCT CAATTCGAAG GTCAAACGAA GACAAAATTA GGTAATTCTG AAGTGCGTCA	120
40	AGTTGTAGAT AAATTATTCT CAGAGCACTT TGAACGATTT TTATATGAAA ATCCACAAGT	180
	CGCACGTACA GTGGTTGAAA AAGGTATTAT GGCGGCACTG CACGTNTTGC TGCGAAAAAA	240
45	GCGCGTGAAG TAACACGTCC GTAAATCAGC GTTAGATGTA GCAAGCCTTC CAGGTAAATT	300
	AGCCGATTGC TCTAGTAAAA GTCCTGAAGA ATGTGAGATT TCTTAGTCGA AGGGGCTCTG	360
	CCGGGGGGTC TACAAAATCT GGTCGTGACT CTAGACCGCA	400
50	(2) INFORMATION FOR SEQ ID NO: 3877:	100
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGI: Timear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3877:	
	ACCAATTTCT CCTTTGTATC CGCCATCTTT AAATAATTTT ACTGCTCTAG CATGAGCCAC	60
10	CATCATGTTA TGTGATTGGA ATACTTTTTC AAAATCATAT TTAATACCTG GAGGGAATTT	120
	ACCTACTAAA TATTGACCAT CACCAATAGG TCCAATTTCA TTGAATGTAG TCCAATATTT	180
	TACTTCTGGG AATTCTTTAA AACAATATTC AGCATAATCT ACAAAGTAGT CAATCGTTTT	240
15	ACGNTTTAGA AAATCGCCAT CTTTGGTGGT ACACTTCTGG GNGTATCAAA ATGNTGCAAT	300
	GTTACAAATG GTTCAACATG ACGGTTTATG GNCACTCTGC AAATAACCTT ATGGTAATAC	360
20	TCAACACCTT AGGGGTTAAC TTCGGCCATA TCCCTTTTGG	400
20	(2) INFORMATION FOR SEQ ID NO: 3878:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3878:	
	ATTAAAGCAG TTTCTGGATC TGGTAAAAAT GGTCGTATTA CAAAAGAAGA TGTAGATGCA	60
	TACTTAAATG GTGGTGCACC AACAGCTTCA AATGAATCAG CTGCTTCACT AACAAGTGAA	120
35	GAAGTTGCTG AAACTCCTGC AGCACCTGCn GCAGTTAACA TTAGAAGGCG ACTTCCCAGA	180
	AACAACTGGA AAAAATCCCT GGCTATGCGT AGAGCAATTG CGAhAACATG GGTTTAACTC	240
40	TAAGCATACT GCACCTCATG TAACATTAAT GGATGAAATT GGATGTTCAA GCATTATGGG	300
	GATCACCGTA AGAAATTTAA AGAAATCGCG GCTGAACAAG GTACTAAGTT AACATTCTTA	360
	CCTTATGTTG TTAAnGCACT GTTTTCGGCA TGGnAAAAAT	400
45	(2) INFORMATION FOR SEQ ID NO: 3879:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3879:	

	TTGTGTTTAC TTTTTATTTT GACGTTTTAG ACATAAAAAA AAGAGACCTT GCGGTCTCAA	120
	TGCGGCTCAT CGCATCCATT TTTTGCCTGG CAACGTTCTA CTCTAGCGGA ACGTAAGTTG	180
5	GCTACCATCG ACGCTAAGAA CCTTTCTTGA CTTGTGACAA TCGCTTGCTT CTTTCCTCTT	240
		300
	CTTCGGCTCT CGCTTACTCA TTTAGCTCTA CTAAACTCGT TGCGCTCTTT TCTCGTTTCG	360
10	TCAGATTCAA ACGTTTCACT TCGCAAGCCA TTTTTCTTTG TGTTGCnTTT ATTTGACGTT	
	TAGACATAAA ANAAGANCCT TGCGGNCTCA ATGCGGCCAT	400
	(2) INFORMATION FOR SEQ ID NO: 3880:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3880:	
	TAGGTGTAAA TCCTGCGATT CGATCTGGAC CATATTTTTT TATTGTATAC AGTAATTGTG	60
25	CTGCGATTAT CTCTGTAACG TCTTTCCAAT TTGAACGCAC GTGCCCTCCC ATACCTCGGG	120
	CTTGCTTATA TTGTTTGGCT TTGTCTTCAT TTTCAACAAT AGACGCCCAT GCAGCAACGC	180
30	GATTACCATT GTTTTCTTCT AATGCTTCAG TCCATAAATC CCAGAGTTTT CCACGAATAT	240
	ATGGATATTG ATTCGAAGCG GACTGTATCA TACCAAGAGA ATGACGCACT CGTGGACATC	300
	CTCTCGGTCA TATTCAGGCA TATCCGGACA CAACTTGGAT AGCAGTTGTG ATTTCCCAGG	360
35	AATCACACCA TTTCACAAAC TTCCAGACAT GGCTGACAGT	400
	(2) INFORMATION FOR SEQ ID NO: 3881:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
<b>1</b> 5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3881:	
	TGAGTAGCGA AAGACGGGTG AGAATCCCGT CCACCGATTG ACTAAGGTTT CCAGAGGAAG	60
		120
5 <i>0</i>	GCTCGTCCGC TCTGGGTTAG TCGGGTCCTA AGCTGAGGCC GACAGNGTAG GCGATGGATA	180
	ACAGGTTGAT ATTCCTGTAC CACCTATAAT CGTTTTAATC GATGGGGGGA CGCAGTAGGA	
	TAGGCGAACG TGCGATTGGA TTGCACGTCT AAGCAGTAAG GCTGAGTATT AGGCAAATCC	240

	TCACACTGCC GAGAAAAGCC TCTAAGATAA GAAAATTAGG TGCCCGTACC GCAAACCGAC	360
	ACAGGTAGTC CAAGATGGAG AnTCTnAAGG TGGAGCGAGC	400
5	(2) INFORMATION FOR SEQ ID NO: 3882:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 609 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3882:	
	CATCCCCAAC TTGCACATTA TTGTAAGCTG ACTTTTCGTC ACTTCTGTGT TGGGGCCCTC	60
	ACCCCAACTC GCATTGCCTG TAGAATTTCT TTTCGAAATT CTCTGTGTTG GGGCCCCTGA	120
20	CTAGAATTGA AAAAAGCTTG TTACAAGCGC ATTTTCGTTC AGTCAACTAC TGCCAATATA	180
	ACTICGTAGA GCATAGAATA TTGATTTATG TCCCAGCCTG AGTTAATTTT CTATAAAAGT	240
	ATATTTAATT TGCGTTTATA CCGTCAAACT TCACTTTAGC TTTGTCAAAC CCCTTTCTAT	300
25	TAAGTTTTCA GAAATAAACC TATCTTAAAA TATAAAAAAA TCGAGAATTC GTAGTTTAAT	360
	AACGAAATTC TCGTTCTTAT CCTTTTGaAT aTACTCAATT TTCCACAAAA ACAAACAAGT	420
30	AGTATATCTG TTCTAGCTAC TAGAATGACA TACTACTTGT TATTAAAATA CTTAACTAAA	480
	CTTTATTAGT TATCTTTnTT CTCTATATTT CTACGTGGAC TGACGCTTTT CANGAATGTC	540
	AGATTCATAA TCTTCTTGGT TGGACTCCTG GATATATTCT TGGTAAGCGG ATGGTTTATT	600
35	CGGAGTCAA	609
	(2) INFORMATION FOR SEQ ID NO: 3883:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 394 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3883:	
	ATATATTGGC GGACATAACG ATGTACTAGC AGGTGTCGTA ACCGTCAAAG ATGAATCACT	60
50	CGCGCAACAG TTGTTTGATT TTCACAACAT GACTGGCGCA ACACTTTCAC CAATAGATAG	120
	TTATTTGTTG TTACGTGGAC TTAAAACTTT GCATTTACGC ATTGAGCGTG CGCAATCAAA	180
	CGCTAGAAAA CTTGCTAAAA AATGTCAGTC ACTTCAAGCA ATTGACGAAt ACTATATAGC	240
55		

	GAAAATTTAG ACATTTGCAT TTTTGCAGAA AGTTTAGGAG GTACKGAAAC ATTAGTGACC	360
	TTCCCTTACA CCCAAACACL GTTGATATGC CAGT	394
5	(2) INFORMATION FOR SEQ ID NO: 3884:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3884:	
	CGATTAATGA ATTAACAGAA TACGGACCAG AAACGATAAC ACCAGGTCAT CGAGACGAAT	60
	TTGATCCGAA GTTACCAACA GGAGAGAAG AGGAAGTTCC AGGTAAACCA GGAATTAAGA	120
20	ATCCAGAAAC AGGAGACGTG TTAGACCACC GGTCGATTAG CGTAACAAAA TATGGACCTG	180
	TAAAAGGAGA CTCGATTGTA GAAAAAGAAG AAATTCCATT CAAGAAAGAA CGTAAATTTA	240
	ATCCTGATTT AGCACCAGGG ACAGAAAAAG TAACAAGAGA AGGACAAAAA GGTGAGAAGA	300
25	CAATAACGAC GCCAACACTA AAAAnTCCAT TAACTGGAGA ATTATTAGTA AAGGTGATCG	360
	AAAGAGGAAT CACAAAAGTT CCnTTTATGA TTAACAGATA	400
30	(2) INFORMATION FOR SEQ ID NO: 3885:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3885:	
40	TGAGCGGATT ATTTCTTATG AATTCAAGCT TATTTAAAAC TCTTTATTCA CTCGGTTTTG	60
	CTTGGTAAAA TCTATATTTT ACTTACTTAT CTAGTTTTCA ATGTACAAAT AATGGTGGGC	120
	CTAAGTGGAC TCGAACCACC GACCTCACGC TTATCAGGCG TGCGCTCTAA CCAGCTGAGC	180
<b>4</b> 5	TATAGGCCCA TTTTTTTGAA TGTTAAATAA ACATTCAAAA CTGGAATACA ATATGTCACG	240
	TTATTCCGCA TCTTCTGAAG AAGATGTTCC GAATATATCC TTAGAAAGGA GGTGATCCAG	300
50	CCGCACCTTC CGATACGGCT ACCTTGTTAC GACTTCACCC CAATCATTTG TCCCACCTTC	360
	GACGGCTAGC TCCCAAAAGG GTACTnCCAn CGGGnTTCGG	400
	(2) INFORMATION FOR SEQ ID NO: 3886:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3886:	
10	TACGGTAGGT GGCAAGCAGT TATCCnGGAA TTATTGGGCG TAAAGCGCGC GTAGGGGTTT	60
	TTTTAAGTCT GATGTGAAAG CCCACGGCTC AACCGTGGAG GGTCATTGGA AACTGGAATn	120
	CTTGAGTGCA GAAGAGGAAA GTGGAATTCC ATGTGTAGCG GTGAAATGCG CAGAGATATG	180
15	GAGGAACACC AGTGGCGAAG GCGACTTTCT GGTCTGTAAC TGACGCTGAT GTGCGAAACG	240
	TGGGGATCAA ACAGGATTAG ATACCCTGGT AGTCCACGCC GTAAACGATG AGTGCTAAGT	300
20	GTTAGGGGGT TTCCGCCCCT TTAGTGCTGC AGCTAACGCA TTTAAGCACT CCGCCTGGGG	360
	GAGTTACGAC CGCAAAGTTT GGAAACTCAA AGGGAATTGG	400
	(2) INFORMATION FOR SEQ ID NO: 3887:	
25	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3887:	
25	ATTTTTAAT TTTCATGCAA ATTTTTAAGC ACCATATAAT GCCTACCAAA TTTCAATAAT	60
35	CTTTGTTGCC GTTTAAATAA TGTGAATGTC AATAAATTCT CCAAACTAGT CGAAAATAAA	120
	GGGAGTNGGA CATAAATCCC TAAAAAAACA GCAGTAAGAT AATTTTCAAT TAGAAAATAT	180
40	CTTACTGCTG TTCTCTATTT ATACAATACT TCGTATTGAA TGGCTTCGCT TTCCnAGGGT	240
	GCCGTCTCAG CCTCGGTCTT CGACTGGCAC TGCTCCCTCA GGAGTCTCGC CATTAATACT	300
	ACGTATTAAC ATGGAATTTT ACTTTTACAT ACTTTAAAAA ATAAGNCACT TTGGCCAACT	360
45	TACACTACCA TAGGAACCCT GGTAGGAATC CCCCAAATGn	400
	(2) INFORMATION FOR SEQ ID NO: 3888:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	ATACGACAAT CACAGCAATA ATAATTGCTT TAGAAAGTCG TGCCGAACTG GAACTTACAA	60
	GTCTAGTTCG AACACACAC GATGTGAGTG GTTTTATTTA TTTTAAACAT GAACAATCAG	120
5	ATAAGTTACT AGCATTAGCA AATATTATTA AATCAAAGGG CTTCGATTCA TAAAATTAAA	180
	ACAATGATTA AAATTAGACG TGTAAATGTT AAATTCTAAA ACGGAAATAA CCACCATCCC	240
10	ATTAAACCAC TTTnATnGTT CAATCACTAT ATTTCACACA GCTTCATTAA TAAAACGACT	300
	TGCTTCAACC CGCTTCAACT TCAACTGGCT TCAACTTCAG CCTACTTCAT TCAATNACAA	360
	AACGAATCCG CTTCATCCAA AATCAnCCAT TCTAACGCAC	400
15	(2) INFORMATION FOR SEQ ID NO: 3889:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 485 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3889:	
25	CCATGCNAGA CGCATACATT GTaGCTTATG GGCGTTCAGC gCAGCGAAmG aAAGCAAGGC	60
	GCATTATTCC ACGAAAGACC TGATGATGTC GCAGCCAAAG TATTACAAGG CGTATTGAAA	120
30	CGTATTGACG GAAAATTCAA TAAGAATATG ATTGAAGATG TCATTGTTGG TACGGCTTTT	180
	CCAGAAGGAT TACAAGGCCA AAACATTGCA CGAACGATTG CATTGCGTGC GGGATTATCT	240
	GACACGGTAC CGGGTCAAAC AGTGAATCGC TACTGCTCAT CAGGATTACA AACCATCGCG	300
35	ATTGCAGCCA ATCAAATTAT GGCTGGTCAA GGAGATATAC TTGTAGCTGG TGGCGTTGAA	360
	TTGATGAGTG CCGTACCAAT GGGTGGCAAC GAGCCCACAA ACAATCCAAC CTTWACAATA	420
10	tGaTGATATA GGTGCGTCCA TATNCCTATG GGTTTNAANT GCTGGAAAAT GTTAGCCTNC	480
40	CCAAT	485
	(2) INFORMATION FOR SEQ ID NO: 3890:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 389 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3890:	
•	AGGCAGATGC TCTCCCAGCT GAGCTAATTC TCCAAAATAA TGACTCCTAC GGGACTCGAA	60
55		

	AGGTAGGACT CGAACCTACG ACCGATCGGT TAACAGCCGA TAGCTCTACC ACTGAGCTAC	180
	TGTGGGATTA ATATTATGCC TGGCAACGTT CTACTCTAGC GGAAnTGAAT TCGGACTACC	240
õ	ATCGACGCTA AGGAGCTTAA CTTCTGTGTT CGGCATGGGA ACAGGTGTGA CCTCCTTGCT	300
	ATAGTCACCA GACATATGAA TGTAATTTAT ACATTCAAAA CTAGATAGTG AAGTAAAAGT	360
10	GGTTTTGCnT CGCAAAACAT TTATTTTGn	389
, 0	(2) INFORMATION FOR SEQ ID NO: 3891:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3891:	
	CAGATGITTA AGTCCTGTGC GTCTGCCAGT TCCGCCACCC CGGCACTATA AAAATGGAGC	60
	AGAAGACGGG ATTCGAACCC GCGACCCCAA CCTTGGCAAG GTTGTATTCT ACCGCTGAAC	120
25	TACTTCTGCA TATGCGGGTG AAGGGAGTCG AACCCCCACG CCGTAAGCTn AGATCCTAAG	180
	TCTAGTGCGT CTGCCAATTC CGCCACACCC GCAAATGGTG AGCCATAGAG GATTCGAACC	240
30	TCTGACCCTC TGATTAAAAG TCAGATGCTC TACCAACTGG AGCTAATGGC TCTTCCATGG	300
	TGCCGGCCAG AGGACTTGAA CCCCCAACCT ACTGGATTTA CAAGTCAGTT TGCTCTACCA	360
	ATTGGAGCTA GGGCCGGGCA ATATGGTAAG AATAAATTGG	400
35	(2) INFORMATION FOR SEQ ID NO: 3892:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3892:	
-	CTCTCGGTGG TCGTGCTACA ACTGGTAAAA ATGTACATGT AGGGGCTGGC GCAGTATTAG	60
	CAGGTGTGAT TGAACCCCCT AGTGCTTCAC CGGTTATAAT CGAGGATGAT GTATTAATCG	120
50	GTGCAAATGC AGTTATTTTA GAAGGTGTAC GTGTTGGTAA AGGTGCTATT GTTGCAGCTG	180
	GCGCGATTGT GACACAAGAT GTACCAGCTG GTGCAGTTGT TGCTGGTACA CCTGCAAAAG	240
	TGATTAAGCA AGCTTCTGAA GTACAAGATA CTAAAAAAGA GATTGTAGCA GCATTAAGAA	300

	CCACCHTAAT GGTHTAGCAT TGAATAAACT TATGHHCCCC	400
	(2) INFORMATION FOR SEQ ID NO: 3893:	
Ś	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(b) Toronogi: Tillear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3893:	
15	GAATGTAGTT GTGGTAAATA CAAACGTGTT CGCTACAAAG GCATGGTCTG TGACAGATGT	60
	GGAGTTGAAG TAACTAAATC TAAAGTACGT CGTGAAAGAA TGGGTCACAT TGAACTTGCT	120
	GCTCCAGTTT CTCACATTTG GTATTTCAAA GGTATACCAA GTCGTATGGG TATTATTACT	180
20	TGACATGTCA CCAAGAGCAT TAGAAGAAGT TATTTACTTT GCTTCTTATG TGTTGTAGAT	240
	CCAGGTCCAA CTGGTTTAGA AAAGAAAACT TTATTATCTG AAGCTGAATT CAGAGATTAT	300
	TATGATGAAA TACCCAGGTC AATTCGTTGC CAAAAATGGG TGCCAGAAGG TCATTAAAAG	360
25	ATTTACTTGA AGNNGATTGA TNCTTGACGA GGGAACTTNA	400
	(2) INFORMATION FOR SEQ ID NO: 3894:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 485 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3894:	
	CACGTGAAGT TAGAGATACT TCATTACGTG TACCTCACGG CGCTGGCGGT ATCGTTCTTG	60
40	ATGTAAAAGT ATTCAATCGT GAAGAAGGCG ACGATACATT ATCACCTGGT GTAAACCAAT	120
	TAGTACGTGT ATATATCGTT CAAAAACGTA AAATTCATGT TGGTGATAAG ATGTGTGGTC	180
	GACATGGTAA CAAAGGTGTC ATTTCTAAGA TTGTTCCTGA AGAAGATATG CCTTACTTAC	240
45	CAGATGGACG TCCGATCGAT ATCATGTTAA ATCCTCTTGG TGTACCATCT CGTATGAACA	300
	TCGGACAAGT ATTAGAGCTA CACTTAGGTA TGGCTGCTaA AAATCTTGGT ATTCACGTTG	360
50	CATCACCAGT ATTTGACGGT GCAAACGTTG ACGATGTATG GTCAnCAATT GAAGAAGCTG	420
	GTATGGCTCG TGATGGTAAA ACTGTACTTT ATCGATGGAC GTACCAGGTG ACCCNTCCGA	480
	TAACC	485

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 507 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3895:	
10	GAACAACATA CCTTTGTTTG TTGATTCTTC TCCACCTGTT TCAAGTAGTT CAGATTTCTT	60
	AGATTGTGGT TTTTTAGTTG GTGCCACTGC TTTAACCTTT TCATTGATTT CAATAACAGG	120
15	TGTTACTACT TTACCTTGTT CCACTGGTTT AGAAGGCTTT TTAGGTTCTT CTTTGGCAGG	180
70	TGGTACTGGT TTACCANGTT CAGCTGGTAC CTCTGGTGTT GGCGGTGTTG GAGTTTCTGG	240
	CTCACTCGGC ACTTCTGGTG TCGGTGGTGT TGGTGTTTCC GGCTCACTTG GTACTTCTGG	300
20	TGTTGGTGGc GTTGGTGTTT CCGGCTCACT TGGTACTTCT GGTGTCGGTG GCGTTGGtGG	360
	CACGATTGGA GGTGTTGTAT CTTCTTCAAT CGTTTGTTGA CCTTCATTTT GGGCCGCTTA	420
	CTTTTGGGAA GTGTATCTTC TTCAAAGTCA ACACTAATGT GGTCCACCGG AATTGATAAC	480
25	TGGGGTTAAC CTTAAATTGG AACCTCC	507
	(2) INFORMATION FOR SEQ ID NO: 3896:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	( ) The second programmer of the No. 2006.	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3896:  CTAGCGGAAG TAATTGGCTA CCATCGTCGC TAAAGACCTT NGGNGACTTG TGACAATCGC	60
	TTGCTTCTTT CCTCTCCTTC GGCTCTCGCT TACTCATTTA GCTCTACTAA ACTCGTTGCG	120
40	CTCTTTTCTC GTTTCGTCAG ATTCAAACGT TTTCACTTCG CCAAGCCATT TTTCTTTGTG	180
	TTTACTTTTT ATTTTGACGT TTTAGGCATA AAAAAAAGAG ACCTTGCGGT CTCAATGCGG	240
45	CTCATCGCAT CCATTTTTG CCTGGCAACG TTCTACTCTA GCGGAAnGTA ATTGGGCTAC	300
	CATCGTCGCT AAAGACCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC CTCTCCTTCG	360
		400
50	GCTCTCGCTT ACTCATTTAG CTCTACTAAA CTCGTTGCGC  (2) INFORMATION FOR SEQ ID NO: 3897:	400
	(i) SEQUENCE CHARACTERISTICS:	
	(1) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3897:	
	TTGAAGAAGA TCGCGATGAC TATACAATCA ATATCGAGTA TAATACCGAT TTATATCACT	60
10	CAGAAACAGT TCGTCACATG GGTAATCAAT GTATGATTAT GATTGATTAT ATTTTGAAGC	120
	ATCAAGATAC ACTACAAATT TGTGATATAC CAAACGGCAC GAGGAACTTC TAAATTGGGT	180
	CAATACGCAT GTTAACGATC GAATGCTTAA TGTCCCGGGA AATAAATCTA TCATAAGTTA	240
15	CTTTAATGAA GTTGTCTCAC GACAAGGTAA TCATGTTGCG CTAGTCATGA ATGANTTGAC	300
	AATGACGTAT GAAACATTAC GCAACTATGT GGGATGCCAT TGCGCACATG CTCCTATCAA	360
2.2	ATGGTGTGGG CAATGGTCAA CGGGTTGCCT TGGTGTACAG	400
20	(2) INFORMATION FOR SEQ ID NO: 3898:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3898:	
	GAAATCAGTA TTAAAGCAGT TAATCCACAA GGGAAAGTGG TTAATACAGT TGGCTCTGGT	60
	GATAGTACAG TTGCAGGCAT GGTGGCTGGA ATTGCTTCAG GTTTAACGAT TGAAAAAGCA	120
35	TTCCAACAAG CAGTCGCATG CGGTACTGCC ACGGCATTTG ATGAGGACTT AGCAACACGG	180
	GACGCTATAG AAAAAATAAA ATCACAAGTT ACGATTAGCG TACTTGATGG GGAGTGAAAA	240
10	TAATGAGAGT AACAGAGTTA TTAACAAAAG ATACAATAGC AATGGATTTA ATGGCAAATG	300
40	ACAAAAATGG TGTTATTGAT GAGTTAGTAA ATCAATTAGA CCAAGCAGGT AAATTAAGTG	360
	ATGTCGCGTC ATTTAANGGA AGCGATTCAC CATCGNGATC	400
45	(2) INFORMATION FOR SEQ ID NO: 3899:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3899:

	CTAGCGGAAC GTAAGTTAGC TACCATCCTC GCTAAGAACC TTTCTTGACT TGTGACAATC	120
	GCTTGCTTCT TTCCTCTCCT TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG	180
5	CGCTCTTTTC TCGTTTCGTC AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG	240
	TGTTTACTTT TTATTTTGAC GTTTTAGACA TAAAAAAAGA NACCTCACGG TCTCAACTTG	300
	CCTGGCAACG TTCTACTTCT AGCGGAACGT AAGTTGGCTA CCATCGTCGC TnAAAGACCT	360
10	TTCTTGGACT TGTGGACAAT CGGCTTGGCA nTCTTTnCTC	400
	(2) INFORMATION FOR SEQ ID NO: 3900:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	/ :	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3900:	
0.5	TGCACGCGTA TCTGATGGTT GCTCAGTTGC ATCTACCCAA GGTAACCATT CCCTAAGTGA	60
25	ATTTCTTGAA CGATTGACTA AATTGAAAAG CGCTTCTGTG TCATGAGCTT CTAAAATTTT	120
	TAATGTTATT TGTTCATTCA CTTTCATTCC AAACATACCA TCACATCCTC ATTCATTTTT	180
20	CATATAATTC TGTAAATTAT CATTATAATA ACATATTAAT GTTACGCATT GTATCTTAAA	240
30	TTTGTTGTCC TTCCCCAACT TGCATTGCTT GTAGAATTTC TTTTCGAAAT TCTCTATGTT	300
	GGGGCCCGCn AACTTGCATT GTCTGTAGAA ATTACGGACC CAATTTCTCT AGGTGGGGCC	360
35	CATCCCCAAC TTGCACATTA ATnGCAAGCn GACTTTCCGT	400
	(2) INFORMATION FOR SEQ ID NO: 3901:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3901:	
	TACTGCTGTT CACTTTTTAT AATACTTCTG AATGTCTTCA CTTATACTTC TAGTCACAGA	60
	TTTAAATAAT CAAAAGTGCA CATTATTAAA ATATCAATTT CACACTCAAT GCGGCTCATC	120
50	GCATTCATTT CTTGTCTCAA CGTTCTACTC TAGCGGAAGT AAGTTAGCTA CCATCCTCGC	180
	TAAGAACCTT TCTTGACTTG TGACAATCGC TTGCTTCTTT CCTCTCCTTC GGCTCTCGCT	240

	TTTCACTTCG CCAAGCCATT TTTCCTTGGT GGTTTACCTT TTAATTTGGA CGGTTTAGAC	360
	ATNAAAAAAG GGGACCTCAC GGGCCCAACT TGGCCTGGGC	400
5	(2) INFORMATION FOR SEQ ID NO: 3902:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3902:	
	TTATTTTGAC GTTTTAGACA TAAAAAAAGA GACCTCACGG TCTCAACTTG CCTGGCAACG	60
	TTCTACTCTA GCGGAACGTA AGTTGGCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT	120
20	GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT ACTCATTTAG CTCTACTAAA	180
	CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA TTCAAACGTT TTCACTTCGC CAAGCCATTT	240
	TTCTTTGTGT TTACTTTTTA TTTTGACGTT TTAGGCATAA AAAAAAGAGA CCTTGCGGTC	300
25	TCAATGCGGC TCATCGCATC CATTTTTGC CTGGGCAACG TTCTACTCTA GCGGGAACGT	360
	AAGTTGGGCT ACCANCGGCG GCTAAAGACC TTTCCTGGAC	400
	(2) INFORMATION FOR SEQ ID NO: 3903:	
30 35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3903:	
40	TTGTTATAAC GAAAACCATT AATAGATTIT TATTTGGTGA TTTCAAATCA TGAGACTGGG	60
	ACAGAAATGA TGTTTTCATA AAAATTATTT CGTTGTTCCA CTCTCATGAT TTTTTTGATG	120
	AAACATAATT ACATGATTGA TTGCATCATT TTGTTAAACA AGTGATTGCA AACCTGCCAT	180
45	TTCACACTGA AAATTTACAT AATAAGTGAC GATATTTTAC AAGTCATATA CAAATAACAT	240
	ATATTGTTAA ATAATTTTAC CTAATCTTAA CATTAAATTT ACAATTATAA GCGATAATCT	300
	AAATATAAAG CTTATTTGAG GTGAAATAAT GGAAATGTCG GTTACAGAAG TCATTTTCTC	360
50	CTTTTTAGGT GGGTTTAGGG AATTTCCnTT ACGGCCTTAA	400
	(2) INFORMATION FOR SEQ ID NO: 3904:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3904:	
10	CATAAGACAT AATCGCTAGT GTTCGAAAGA GCACTCACAA GATTAATAAC GCGTTTCCTG	60
	TAGGATGGAA ACATAGATTA AGTTATTAAG GGCGCACGGT GGATGCCTTG GCACTAGAAG	120
	CCGATGAAGG ACGTTACTAA CGACGATATG CTTTGGGGAG CTGTAAGTAA GCTTTGATCC	180
15	AGAGATTTCC GAATGGGGAA ACCCAGCATG AGTTATGTCA TGTTATCGAT ATGTGAATAC	240
	ATAGCATATC AGAAGGCACA CCCGGAGANC TGAAACATCT TAGTACCCGG AGGAAGAGAA	300
	AGAAAATTCG ATTCCCTTAG TAGCGGCGAG CGAAACGGGA AGAGCCCAAA CCAnCAAGCT	360
20	TGCTTGTTGG GGTTGTAGGG CACTCTATAC GGAGTTACAA	400
	(2) INFORMATION FOR SEQ ID NO: 3905:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3905:	
	AACTAACATT ACAACATGCA TGTGAACAAT TAAAAACATA TTTTAAGTAG GTGAATGAAA	60
35	TGGTAAATGA ACAAATCATT GATATTTCAG GTCCGTTAAA GGGCGAAATA GAAGTGCCGG	120
	GCGATAAGTC AATGACACAC CGTGCAATCA TGTTGGCGTC GCTAGCTGAA GGTGTATCTA	180
	CTATATATAA GCCACTACTT GGCGAATLCG TCGTACGATG GACATTTTCC GACTGTTAGG	240
40	TGTAGAAATC AAAGAAGATG ATGAAAAATT AGTTGTGACT TCCCCAGGAT ATCAATCTTT	300
	TAACACGCCA CATCAAGTnT TGTnTACAGG TAATTCCGGG TACGACAACA CGATTGATAG	360
45	TTTGGTTAAT GGGTTAAGTA TTGAAAGTGT TTTGTCCGG	399
40	(2) INFORMATION FOR SEQ ID NO: 3906:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TTCTTTAAAA ATAAACGCCT ATnCGTTATC GGTGGTGGTG ATTCAGCAGT AGAAGAGGGA	60
	ACATTCTAAA CTAAATTTGC TGACAAAGTA ACAATCGTTC ACCGTCGTGA TGAGTTACGT	120
5	GCACAGCGTA TTTTACAAGA TAGAGCATTC AAAAATGATA AAATCGACTT TATTTGGAGT	180
	CATACTTIGA AATCAATTAA TGAAAAAGAC GGCAAAGTGG GTTCTGTGAC ATTAACGTCT	240
10	ACAAAAGATG GTTCAGAAGA AACACACGAG GCTGATGGTG TATTCATCTA TATTGGTATG	300
, 0	AACCATTAAC AGCGCCATTT AANGCTTAGG TATTACNAAT GATGTTGGTT ATATTGTGAC	360
	AAAGGTGGAT TGGCCAC	377
15	(2) INFORMATION FOR SEQ ID NO: 3907:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 502 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3907:	
25	AATTAGGTAA TTCAAAATAA TATTAGCGCG GGATGGAGCA GTTCGGTAGC TCGTCGGGCT	60
	CATAACCCGA AGTCGGtGGT TCAAATCCGC CTCCCGCAAT ACATAGTTTT TAATTTAATA	120
20	GGTCTCGTAG TGTAGCGrTT AACACGCCTG CCTGTCACGC AGAGATCGCG GGTTCGATTC	180
30	CCGTCGAGAC CGCCATTATT ATTACCATTA CGGTTCAGTA GCTCAGTTGG TAGAGCAATG	240
	GATTGAAGCT CCATGTGTCG GCAGTTCGAC TCTGTCCTGA ACCATTCTTA ATTCATGGCG	300
35	GTTGTGGTGA AGTGGTTAAC ACATCGGATT GTGGTTCCGA CATTCGAGGG TTCGATCCCC	360
	TTCAGCCGCC CCATAATCGT TTACATTAGC GGGTGTAGTT TAATGGCAAA ACCTCAGCCT	420
	TCCAAGCTGA TGTTGTGGGK TtCGrTTCCC AtCAmCCnGy TCCaTaATTT CnAAnAATTC	480
40	CAACAGTAGC CGCAAGTnGG TA	502
	(2) INFORMATION FOR SEQ ID NO: 3908:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3908:	
	AAAAAATGCA TCTCTACGTG CTAGAATAAA TATTGGTCAG CCAACCAAAA TAATCAACAC	60

	TAAGTATCAT ATTGTCTTTG CACCTAAATA CAGAAGACAA GTGATATATG GAAAAATAAA	180
	AAAAGATATA GGGATTATAT TGCGTCAATT ATGTGAAAGA AAAGGTGTAG AGATAATTGA	240
5	AGCAGAGGCA TGTAAAGATC ATATCCATAT GTTAGTTAGT ATACCACCCA AACTTGGGGG	300
	TATCATCATT TGTTGGGCTA TTTAAAAGGG AAAAAGTAGT TTAATGGATA TTTGGATAGA	360
	CATGGCTAAC TTAAAGTATA GATATGGGAA ATAGGAAAGT	400
10	(2) INFORMATION FOR SEQ ID NO: 3909:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3909:	
	GGTTTAACTA TTGAAGAAAA TGTGCCGACA ATTAACAAGA TAAAAAATGC GGTATATTCA	60
	GCAGATAAAG CTTTACCTAA GATTAATGAC TTTGCGAATA AAATTGTATA TTTGAATAAC	120
25	CACCAAGCGG ATTTAGATAA ATATGCCAAT GATTTTAGAA AACTAGGAAA TTATAAAGGT	180
	GATATTTTAG ATGCTCAGAA AAAATTAAAC GAGTCAATGG TGCTATTCCG CAACTTAATG	240
	AAAAGGCTAA GTTGGATATT AGCTTTTAAA TAATTATATG CCGGAAAATT GGAAAAAGCG	300
30	TTTAAATTTT GCAGCTGGAT GACGTGCCAC GCnGTTCCCT AAAATTAATC CAGGGCTTAA	360
	CATTGCGAGT CCAGGTATTG GnTCCAAGCT AATGGGGCCG	400
35	(2) INFORMATION FOR SEQ ID NO: 3910:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
40	(b) 1010B001. Timedi	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3910:	
45	TTACCCGATA TCGGGAAGGT ATCCACGAAG GTGAAATTGT AAAATGGTTT GTTAAAGCTG	60
	GAGATACTAT TGAAGAAGAC GATGTTTTAG CTGAGGTACA AAACGATAAA TCAGTAGTAG	120
	AAATCCCATC ACCAGCATCT GGTACTGTAG AAGAAGTTAT GGTAGAAGAA GGTACAGTAG	180
50	CTGTAGTTGG TGACGTTATT GTTAAAATCG ATGCACCTGA TGCAGAAGAT ATGCAATTTA	240
	AAGGTCATGA TGATGATTCA TCATCTAAAG AAGAACCTGC GAAAGAGGGA AGCGCCACAG	300

	GCCATGCCTT CCAGTTACGT TAAATACGCA CGTGGAAAAG	400
	(2) INFORMATION FOR SEQ ID NO: 3911:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3911:	
15	CGTGTAnCTC AAGTTATGGG TCCTGTAATT GATGTTCGAT TTGAACATAA CGAATTCCTA	60
73	AAATTAATAA CGCCTTGGTT ATTGATGTGC CTAAAGAAGA AGGTACAATA CAACTAACAT	120
	TAGAAGTTGC GCTGCAATTA GGTGACGACG TTGTTCGTAC AATTGCGATG GATTCAACTG	180
20	ATGGTGTCCA AAGAGGCATG GATGTAAAAG ATACAGGCAA AGAAATTAGT GTACCTGTTG	240
	GTGACGAAAC ATTAGGTCGT GTATTTAATG TACTAGGTGA AACAATTGAC CTTAAAGAAG	300
	AAATTAGTGA TTCTGTTCGC CGCGATCCTA TCCATCGTTC AAGCACCAGC ATTCCGATGG	360
25	AACTTTTCAA CAGAAGTTCC AAATTTTTAG GNACAGGGTA	400
	(2) INFORMATION FOR SEQ ID NO: 3912:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3912:	
	TTGTACAAGT TGAAGAAAAA TCAACACAAC CAAAAGGTAG AAAATTCAAA GATTTCACTA	60
40	GTAAATTTAA TATAGCATCA GAAGCTAAAG AAAATGAACC TATATCAGTC ATTGGTTATC	120
	CAAATCCTAA TGGAAATAAA CTACAAATGT ATGAATCAAC TGGTAAAGTA TTATCAGTGA	180
	ATGGGAATAT AGTGTCATCG GATGCAATTA TTCAGCCTGG TAGCTCTGGT TCACCTATAT	2 <b>4</b> 0
45	TAAATAGTAA ACACGANGCT ATTGGTGTAA TCTATGCCGG TAATAAGCCA TCAGGTGAAA	300
	GCACCAGAGG GATTTGCTGT TTATTTCTCT CCTGAAATTA AGAAATTCCA TTGCAGATAA	360
	TTTAGATAAA TNATTAAGAC CTANGACATT CACCCAATCC	400
50	(2) INFORMATION FOR SEQ ID NO: 3913:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3913:	
	ACTCATTTAG CTCTACTAAA CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA TTCAAACGTT	60
	TTCACTTCGC CAAGCCATTT TTCTTTGTGT TTACTTTTTA TTTTGACGTT TTAGACATAA	120
10	AAAAAAGAGA CCTTGCGGTC TCAATGnGGC TCATCGCATC CATTTTTTGC CTGGCAACGT	180
	TCTACTCTAG CGGAAGTAAG TTGGCTACCA TCGACGCTAA GAACCTTTCT TGACTTGTGA	240
15	CAATCGCTTG CTTCTTTCCT CTTCTTCGGC TCTCGCTTAC TCATTTAGCT CTACTAAACT	300
15		360
	CGTTGCGCTC TTTTCTCGTT TCGTCAGATT CAAACGTTTT CACTTCGCCA AGCCATTTTT	
20	CTTTGGGGTT TGCnnTTTGA ATTTGGACGT TTTAGACATA	400
20	(2) INFORMATION FOR SEQ ID NO: 3914:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3914:	
	TGGAATGAGC GGATATAAGC ATCTTTAGAT AATGCACCAT CAACTAATGG ATATTTATGT	60
	CCAGTTGGAC GCCAGAAATC ATAAACGTCT TCAGTGTAAG CAACAGCATC TTCATTTAAT	120
35	GCCAAAATGC TTGGATTATG TGCAATAACC ATCGCAACTG nGCCACACCT TGTGTTGGCT	180
	CGCCGCCTGA ATTCAATCCA TAACGTGCTG TATCTGTAGC AATAACTAAT ACTTTTTCAT	240
	TCGGTCTAGT TGCTAAATAA TCTTTAGCTA ATTGAATTGC TGGTGTTGCA GCATAACAAG	300
40	CTTCTTTCAT TTCAAAGCAG CGTGCAAAAG GTTGGnATAC CTAATAAGTT GTGGAATTTG	360
	nacagegget getttaegaa ttecaactge tgatteeagt	400
	(2) INFORMATION FOR SEQ ID NO: 3915:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3915:	

	TCTTTATTTA TCCAGTTTCA TAGTCAATGT TTAAAGCAAA ATCTTATTGA TGGTACAAAA	120
	GTAGAAGCTA ATGCCAATAG GTATACATTT GTGTGGAAGA AAAGTATTCA AAATCACGAA	180
5	TCGAAATTGA ACGAMAATTC AAAAACATTA TATCGTGACT TAGTTGAAGA AAAAATAATA	240
	CCAGAGATAA AAGAAGATGG AGATAGCGAT TTAACAATAG AnGAAATAGA TTTAATTGGT	300
	AGTCATTTAG ATAAAGAAAT CGAGGTTTAA ATCATTCTAT TGAGACGnGA TAGTACTCAA	360
10	ATTAGAAACA G	371
	(2) INFORMATION FOR SEQ ID NO: 3916:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3916:	
	ACCATGGACG ACGGTTAGGT TTATGAATGT TATTCCAAAT AGGTTCATCT ATAAAATAGC	60
25	TTTAGTTGGA AAAGATGAGA AAAAATATAA AGATGGACCT TACGATAATA TCGATGTATT	120
		180
	TATCGTTTTA GAAGACAATA AATATCAATT GAAAAAATAT TCTGTCGGTG GCATCACGAA	240
30	GACTAATAGT AAAAAAGTTA ATCACAAAGT AGAATTAAGC ATTACTAAAA AAGATAATCA	300
	AGGTATGATT TCACGCGATG TTTCAGAATA CATGATTACT AAGGAAGAGA TTTCCTTGAA	360
	AGAGCTTGAT TTTAAATTGA GAAAACAACT TATTGAAAAA CAGATCTTTA CGGTAACATG	
35	GGTTCAGGAC AATCGTATTA AATGAAAACG GGGGAATATA	400
	(2) INFORMATION FOR SEQ ID NO: 3917:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 412 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3917:	
	GAGGAAATTA TTAACCTTMC GCATCGTATG GGCCMTGAAG GAATAACAAC CTTTAGACCT	60
	GGAGATTGAG CTAAAATACC TTCTAAGTTA TCTGCGTGTA ATTCTGGTGT GTGTACGCCA	120
50	CCACCAAATG GGCTACGAAT TGTTACAGGT GCAGTTTTAG TACCGCCTGA ACGGAAACGA	180
	GTACGTGCAA TTTGTCCAGC AATCGCATCA AATACTTCGA ATACGAAACC TAAGAATTGT	240

	GATTCAGCTA AAGGTGTATC GAATACTCTA TCTTCACCAA ATTCTTTTTG TAGTCCTTCA	360
ā	GTAACACGGA AAACACCGCC GTTAACACCA ACGTCTTCAC CANAATNAAA AC	412
5	(2) INFORMATION FOR SEQ ID NO: 3918:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3918:	
	ATAGATTGCT GAGTGACAAT ACTTCAGGAN TCGCATATGC AGGCCCAATA CCCATAATTT	60
	TCGGGTCAAC GCCTACTGCC TTAAAACCAA CGAATCGTGC AATAGGTGTC ACGCCGAGTT	120
20	CTTTCACTTT ATCTCCAGAC ATTAAAACTA CAAATCCTGC ACCATCAGAA AGTGGGGCAG	180
	ATGTTCCTGC AGTCATAGTG CCGTCAGCTT TAAATACTGT ACGTAATTTG GCTAATGCCT	240
25	CCATCGTGGT GTCAGGGCGT ATNAAATTCA TCTTGGTCAA AGATATTTGT GTGTACTTTT	300
	GGTCCTGCGT TTGTATATTC AACTGAGTTT ACTTGTATTG GGAThATTTC ATCTTTGGAA	360
	CCGACCATCA CGGTGTGCGT TCATAGGCAC GTTGATGnAC	400
30	(2) INFORMATION FOR SEQ ID NO: 3919:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3919:	
40	CAAGGGCAAC AAGGTGGCAA CGGCAATTAT TTAGAACAAA TTGGTCGTAA CCTTACNAAG	60
	AAGCACGTGA CGGTTTATTA GATCCAGTCA TTGGTCGTGA TAAAGAAATT CAAGAAACTG	120
45	CTGAAGTTTT AAGTAGACGA ACTAAAAACA ATCCTATATT AGTTGGAGAA GCTGGTGTTG	180
	GTAAAACTGC GATTGTTGAA GGTTTAGCAC AGGCAATCGT TGAAGGAAAT GTACCAGCAG	240
	CAATCAAAGA CAAAGAAATT ATTTCTGTAG ACATTTCATC ATTAGAAGCT GGAACGCAAT	300
50	ATCGTGGTGC TTTTGAGGAA AATATTCCAA AATTAATCGA GGTGTTAAnC TTCACAAATG	360
	CCGTACTATC TTTGATGAAn CCATCAATTA TCGGTTCAGT	400
55	(2) INFORMATION FOR SEQ ID NO: 3920:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3920:	
10	CTTATCCCGT CCACACATAG CTACCCAGCT ATGCCGTTGG CACGACAACT GGTACACCAG	60
	AGGTATGTCC ATCCCGGTCC TCTCGTACTA AGGACAGCTC CTCTCAAATT TCCTACGCCC	120
	ACGACGGATA GGGACCGAAC TGTCTCACGA CGTTCTGAAC CCAGCTCGCG TACCGCTTTA	180
15	ATGGGCGAAC AGCCAAGNCC TTGGGACCGA CTACAGCCCC AGGATGCGAT GAGCCGACAT	240
	CGAGGTGCCA AACCTCCCCG TCGATGTGAA CTCTTGGGGG AGATAAGCCT GTTATCCCCG	300
20	GGGTAGCTTT TATCCGTTGA GCGATGGCCC TTCCATGCGG GAANCAACGG ATTCACTAAA	360
20	GTCCGTCTTT TCGAACCTGG CTCGGACTTG TAGGTCTCGG	400
	(2) INFORMATION FOR SEQ ID NO: 3921:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3921:	
	CGGGTTGGGC AGGTATGTTG TATTACCGTT CACAGCAGCA TCACTTTGAA CAACATTTGT	60
35	TAACGGATTA TTTGGCAATT CGGTTAGTTG TCGAACAATT GCTAGTTGGT GATGAGTTTA	120
	AGTCAGTCGC TAAAGATTGT GAAAGTAGAT CGGAAAATTG GTTTAAGCAA ACTGTTGCAT	180
40	CATGGTGTTA CTACAGTGGA TATGCCTAGC GATGTATTAC TACAACATGA CGTCAATGAA	240
	ATTCAAACGT TTATTCATTT TGGCAGCAAC TATGGAATAA AAATGTATTT AAAATTTATG	300
	GCTnAATTGC CnGGGGAAAT GACATACGGG ATCTCAGTTT AAAACAAAAA TTAAAGCAGG	360
45	TCATGGAAAG TGTGGCGGGC GCCTTAGGTG TnAACCCAGT	400
	(2) INFORMATION FOR SEQ ID NO: 3922:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS: <ul> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul> </li> </ul>	

	GTGCGCTCTA ACCAGCTGAG CTATAGGCCC ATTTTTTTGA ATGTTAAATA AACATTCAAA	60
_	ACTGAATACA ATATGTCACG TTATTCCGCA TCTTCTGAAG AAGATGTTCC GAATATATCC	120
5	TTAGAAAGGA GGTGATCCAG CCGCACCTTC CGATACGGCT ACCTTGTTAC GACTTCACCC	180
	CAATCATTTG TCCCACCTTC GACGGCTAGC TCCTAAAAGG TTACTCCACC GGCTTCGGGT	240
10	GTTACAAACT CTCGTGGTGT GACGGGCGGT GTGTACAAGA CCCGGGAACG TATTCACCGT	300
	AGCATGCTGT ATCTACGTTT ACTAGCGATT CCAGCTTCAT GTAGTCGAGT TGCAGACTAC	360
	AATnCGAACT GAGGAACAAC TTTTATGGGG TTTGnTTTGn	400
15	(2) INFORMATION FOR SEQ ID NO: 3923:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3923:	
25	AGTAAGTAAA ATATAGATTT TACCAAGCAA AACCGAGTGA ATAAAGAGTT TTAAATAAGC	60
	TTGAATTCAT AAGAAATAAT CGCTAGTGTT CGAAGAACTC CACAAGATTA ATAACGCGTT	120
20	TCCTGTAGGA TGGAAACATA GATTAAGTTA TTAAGGGCGC ACGGTGGATG CCTTGGCACT	180
30	AGAAGCCGAT GAAGGACGTT ACTAACGACG ATATGCTTTG GGGAGCTGTA AGTAAGCTTT	240
	GATCCAGAGA TTTCCGAATG GGGAAACCCA GCATGAGTTA TGTCATGTTA TCGATATGTG	300
35	AATACATAGC ATATCAGAAG GCACACCCGG AGAACTGAAA CATCTTAGTA CCCGGAGAAG	360
	AGAAAGAAAT TCGnTCCCTA GTACCGCGAn CGAAACGGGA	400
	(2) INFORMATION FOR SEQ ID NO: 3924:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3924:	
50	ATGCGATACG TAGCACAGCT GCAACAATCC ATGCTAGTAA AATCGGAGAC ATCTCTGTAC	60
	CTTCAAACTA GCAATTGTAT TTCCGACACC GCCGTCAATT AATACTTGTT TAATGTACCG	120
	CCACCGCCAA TAATCAATAA CATCATTCCG ATTGGATAAA TCGCATTCGT CACTGATTCC	180

	GCTATTAGCA TGGCTGTCCC TGCTGTTCCT ATCATATAAA TGATAGATTC AAATAGATTT	300
	GTAGGGTTGT CATGCCCAGT TACAAGTTGC GTTGATCGTn GACACTAACA TTAATATGAC	360
5	TGGTAATGTT GCTGTTAATA AACTCATACC AAnTCCGGGC	400
	(2) INFORMATION FOR SEQ ID NO: 3925:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 525 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3925:	
	GGCTGGGCTA GCTGGATTCG AACCAACGAG TGACGGANAN AGGTCCGTTG CCTTACCGCT	60
20	TGGCTATAGC CCAATATATA GATGGTGGAG GGGGGCAGAT TCGAACTGCC GAACCCGAAG	120
	AGCCGGATTT ACAGTCCGCC GCGTTTACCA CTTCGCTACC CCTCCAGCTT ATTCATATAA	180
	TTTAATAATC AAAATGGTGG AGAATGACGG GTTCGAACCG CCGACCCTCT GCTTGTAAGG	240
25	CAGATGCTCT CCCAGCTGAG CTAATTCTCC AAAATAATGA CTCCTACGGG ACTCGAACCC	300
	GTGTTACCGC CGTGAAAGGG CGTGtgCTTA ACCCTTGGAC CAAGGAGCCA TGGCTCaCAG	360
	GTAGGACTCG AACCTACGAC CGATCGGTTA ACAGCCGATA GCTCTACCAC TGGAGCTGAC	420
30	TGTGGATTAA TATTATGCCT GGCAACGTTC TGANNCTAGC GGAANTGAAT TCGGACTGAC	480
	CATCGACGCn AAGGAGCTGA ACTTCTGTGT TCGGGCATGG GGAAC	525
35	(2) INFORMATION FOR SEQ ID NO: 3926:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(5) 10:0001. 11:001	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3926:	
45	TGTTATTGTT CAAAATCATG ATCAAGATCA GTATATCGTT GCTTATTATG AAGCGATGCA	60
		120
	TACATTATCA CATAATAAGA TTAAATCACA ATTACGTATG ACCTTACCGG AGTACATGAT	180
50	ACCAGTTAAT TTCATGCATA TTGAGCAAAT TCCTATTACT ATTAATGGGA AATTAGATAA	
	GAAGGCATTG CCTATCATGG ACTATGTCGA TACGGATGCC TATGTAGCAC CGAGTACAGA	240
	TACCGRACAC TTGCTATGCC AAATTTTTGC AGATATTTTA CATGTGAATC AAGTAGGTAT	300

	TCCGGATAGA GGCATCCACT GGGGAACGGT TACCAATTGG	400
	(2) INFORMATION FOR SEQ ID NO: 3927:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3927:	
15	TATCGATCAA TTTCTATCGA GTTGGACAAT GCCGAACGTG ACAAAGTTTT TACCATGCAT	60
	GGTTGCATTT AGCGCAACAT GACCATAGTT TTACTAAAGC ACAGCGCGCA AGTGATTAAA	120
	GGCTTACCCA ATGATCCTGA AATGACGATA GAGTCAGTAT TAACTCATTT TTCAATAGAT	180
20	CAGGAAGACT ACCAAGCTTA TGTTGAAGGA CATCTTTTGG CGTTACCGGG TTGGGCAGGT	240
	ATGTTGTATT ACCGTTCACA ACAGCATCAC TTTGGAACAA CATTTGTTAA CGGATTATTT	300
	GGCAATTCGG TTAGTTGTCG AACAATTGCT AGTTGGTGGA TGAGTTTAAG TCCATCGCTA	360
25	AAGATGTGGA AATAGnCCGG AAAATGGTTT TAAGCAAACT	400
	(2) INFORMATION FOR SEQ ID NO: 3928:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3928:	
	GTGCACCTAA CGCTGAAATA TCGCCTTCTC GTGTATAGCA GACGGAATCA TTTTTTGTGC	60
40	ANTITIGITAA ATATAGGCCC TGCAATGAGT GTACTGGAAT GGCAATAATC ATACCATACA	120
	GTAATACATC TCCAACATTT GCCTTTAATT CTTTTGCGAT GACTACCGGT CCTGGATGTG	180
	GTGGTAAAAA GCCATGTGTC ACTGATAAAG CTGTTACCAT AGGTAGTCCT AGTTTTAACA	240
45	CTGAAACATT TGCGCGTTTT GCTACTGTAA ATACTAATGG AATCAGTAAG ACTAAACCTA	300
	CTTCAAAGAA CAATGCAATA CCGACGATAA ATGCTGGCAA CAAGCATTGC CCCATTGGTA	360
50	CATGGTTTTT GGACCAAATT TTTGGAATCA ACGTGTCTGG	400
	(2) INFORMATION FOR SEQ ID NO: 3929:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3929:	
	CTCAAGGTGT TGCCTATACA GCTAAAAAAC TTAATTTAAA CGCTGTTATC TTTATGCCAG	60
10	TCACTACACC TTTACAAAAG GTAAATCAAG TAAAGTTCTT TGGAAATAGT AACGTTGAAG	120
	TTGTACTCAC TGGTGATACA TTTGATCACT GTTTAGCTGA AGCTTTAACT TATACAAGTG	180
	AACATCAAAT GAACTTTATA GATCCATTCA ATAATGTTCA TACAATTTCT GGACAAGGTA	240
15	CGCTTGCTAA AGAAATGCTA GAACAAGCAA NGTCTGACAA TGTTAACTTT GCATTATCTA	300
	TTTGCCGCAA TTGGTGGTGG CGGTTTAATT TCAGGTATTT CGTACTTACT nTTAAAACCT	360
	ATTCACCTAC CACGNAAATT ATAGGTGTTG AACCCCNAGT	400
20	(2) INFORMATION FOR SEQ ID NO: 3930:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3930:	
	ATATGATCCT ATGAAGCAAT TTTATGTAGT AAGTGGTTCT AAACATGACG CCCTTATGCT	60
	CTGTGAACAT TTATATGACG AGGTTATGGC TGTTTGCTAA nCCCAAATGA TACATCGAAT	120
35	GGCACATATC ATTCGTCGCA ATATGATTAC TATGATGCAT TTATTAAGCA GCAAGAAAAT	180
	GTAACATATA TTTCAACCGA TCGTGCAGAT GCTAATACAG TGTTATGTCA CTAATTTATA	240
	AAAAATAAAT GAATAAGTAA GGTTTCAACC GAGAGAATAT ATTCGTGTTG AAGCCTTATT	300
40	TGTCGTTGTG CCAAATTTGA ACGNTTTAGA TGGCAATAAG CATGACCATA CAGATTGTGT	360
	ATTATTTCCA TGnA	374
45	(2) INFORMATION FOR SEQ ID NO: 3931:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3931:	

	TGCTTCTTTC GCTAGCCTCG TATGGGCATC TTTATCAATA ATATACTCGC CATGACTATC	120
	TTTCGCTTTT AAGTCAATTT CATCAAACTC TTTCCCACCT GTTAACGGTG CACCACTATG	180
5	TCGTTTCCGA CCAAATGTAG CCTCTTGTTC TTCCAGCGCA GTACGATCCC ACGTTTCAAT	240
	GTGTATTTGA ATACGTCTGA CAACGCAATA AGTTCCATGT TTCGCCCATC CGTCATCAAT	300
	AAACACATAA TCTTTAAGTT GATTATTCTT CCTAGGATTA ATTGTTCCAC TTTAAAATGC	360
10	CATTNAAATT CTAGGTGTTT CCNTANC	387
	(2) INFORMATION FOR SEQ ID NO: 3932:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3932:	
	AAGGTAATAA TCCTGTAGTC GAAAATGTTG TCTCTCTTGA GTGGATCCTG AGTACGACGG	60
25	AGCACGTGAA ATTCCGTCGG AATCTGGGAG GACCATCTCC TAAGGCTAAA TACTCTCTAG	120
25	TGACCGATAG TGAACCAGTA CCGTGAGGAG AAGGTGAAAA GCACCCCGGA AGGTAGnTGA	180
	AATAGAACCT GAAACCGTGT GCTTACAAGT AGTCAGAGCC CGTTAATGGG TGATGGCGTG	240
30		300
	CCTTTTGTAG AATGAACCGG CGAGTTACGA TTTGATGCAA GGTTAAGCAG TAAATGTGGA	360
	GCCGTAGCNG AAGNANGTTC TGAATAGGGC GTTTAGTATT TGGTCGTAGC CGATAACCAG	400
35	GTGATTCTAC CCTTTGGTCA GGTTGAAGTT CAAGTAACAT	400
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
<i>45</i>	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3933:	
	GCGATGGTTG AAACATTGAC TTATATTAAA GAGTTTATGA ACCAAGTTGA GTCGCATAGC	60
	TAGTATGAAA CGTGGTGTGC GCATGGGAAC TATCAAGCTT TGAAGATGTG GTACTACATG	120
50	CGTTGAATTA GGGATCGGTA CTTTATATGA AGACGTGCTG CTTCCATTAA ATGAGTGATG	180
	CONTRACCO NECANGETCA COTTANATET ACATTETTET AATAAAATTE COTTATAAATT	240

	AATTGTAAAA AGAAAACCAT ACGCTATGTG nTGCCAAGGA AAAGGTTCTA CCATTGTCAC	360
	nAAAAATGCA TCTCTACCTG CTAGGAATAA ATATTGGGTC	400
5	(2) INFORMATION FOR SEQ ID NO: 3934:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3934:	
,5	TTTGACGTTT TAGACATAAA AAAAGAGACC TTGCGGTCCA GATGGGGCTC ATCGCATCCA	60
	CTTTTTGCCT GGCAACGTTC TACTCTAGCG GAAnTAATCG AACTACCATC GACGCTAAGG	120
20	AGCTTAACTT CTGTGTTCGG CATGGGAACA GGTGTGACCT CCTTGCTATA GTCACCAGAC	180
	ATATGAATGT AAATTATACA TTCAAAACTA GATAGTAAGT AAAAGTGATT TTGCTTCGCA	240
	AACATTTATT TTGATTAAGT CTTCGATCGA TTAGTATTCG TCAGCTCCAC ATGTCACCAT	300
25	GGCTTCCACC TCGAACCTAT TAACCTCATC ATCTTTGANG GATCTTATAA CCGAATTGGG	360
	AAnCTCATCT GAAGGGGGCT CAGCTAGATG CTTCAnACTT	400
	(2) INFORMATION FOR SEQ ID NO: 3935:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 393 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3935:	
40	TGTTCTTTTT GGGCAGTGGG ACACAAATGG ATATTTTCGG CAAAATTTAT TTCGTTCGnT	60
,,,	CCCACCCAA CTTGGCACAC TATTGTAAGC TGACTTTTCG CCAGCTTCTG TGTTGGGGCC	120
	CCGCCAACTT GCCATTGTCT GTAGAAATTG AGGAGCTAAT TTCTCTGTGT CGGGGCTCCA	180
45	CCCCAACTIG CACACTATIG TAAGCTGACT TTCCGCCAGC CTCTGTGTTG GGGCCCCGCC	240
	AACTTGCACA CTATTGTAAG CTGACTTTCC ACCAGCCTCT GTGTTGGGCC CCGACTATTT	300
	TTGAAAAGAG CGTGTTACAC GGGCATTGTT TTACAGTCAA CTACTGCTAA AATAAAATTA	360
50	ACGAGCTTAA GGCTTTGGnT TCTGTCCCAA GCC	393
	(2) INFORMATION FOR SEQ ID NO: 3936:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3936:	
10	AAAAAGAAGA CAACCAAGCC CAATAATGGA CTGGCCGCGT AATAATnGTG GCTCTAAAAG	60
	TTGTATTTTA AAAATAGTTC TTTAAATTAT ATACCCACCA CATTTGGTGG AGAACCTAAA	120
	AAAAAGCACT TCCCAAAAAT GGAAAGTGCA AGTAGTGAGC CATAGAGGAT TCGAACCTCT	180
15	GACCCTCTGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT AATGGCTCTA ATGGCTGGGC	240
	TAGCTGGATT CGAACCAACG AGTGACGGAN TCAAAAGTCC GTTGCCTTAC CGCTTGGCTA	300
	TAGCCCAATA TATAGATGGT GGAAGGGGGC AGATCGAACT GCCGAACCCG AGGAGCGGAT	360
20	TTACAGTCCG CCGCGTTTAG CACTTCGCTA CCCTCCAGCT	400
	(2) INFORMATION FOR SEQ ID NO: 3937:	
25	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 609 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3937:	
	GGTTTAACAC GCCTGCCTGT CACGCAGGAG ATCGCGGGTT CGATTCCCTG TCGAGACCGC	60
35	CATTATTATT ACCATTACGG TTCAGTAGCT CAGTTGGTAG AGCAATGGAT TGAAGCTCCA	120
	TGTGTCGGCA GTTCGACTCT GTCCTGAACC ATTCTTAATT CATGGCGGTT GTGGTGAAGT	180
40	GGTTAACACA TCGGATTGTG GTTCCGACAT TCGAGGGTTC GATCCCCTTC AGCCGCCCCA	240
	TAATCGTTTA CATTAGCGGG TGTAGTTTAA TGGCAAAACC TCAGCCTTCC AAGCTGATGT	300
	TGTGGGTTCG ATTCCCATCA CCCGCTCCAT TATTTTCTAT TATTCCACAG TAGCTCAGTG	360
45	GTAGAGCTAT CGGCTGTTAA CCGATCGGTC GTAGGTTCGA GTCCTACCTG TGGAGCCATG	420
	GCTCYTTGGt CAAGCGGTTA AGACACCGCC CTTTCACGGC GGTAACACGG GTTCGAGTCC	480
	CGTAGAGTYC ATACAAGCAG AAGTGhAAAT ATCGCTTCTG TTTTTTTTATT ACATAWTTAA	540
50	TRGTTGGAGG AAGTTGTCCG AGCYGGGCCG AAGGAGCACG CCTGGAAATG TGTAAGCGTT	600
	CACAAGCTT	609
55	(2) INFORMATION FOR SEQ ID NO: 3938:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3938:	
10	TAAAGTTGTT CTCAGTTCGG ATTGTAGTCT GCAACTCGAC TACATGAAGC TGGAATCGCT	60
	AGTAATCGTA GTCAGCATGC TACGGTGAAT ACGTTCCCGG GTCTTGTACA CACCGCCCGT	120
	CACACCACGA GAGTTTGTAA CACCCGAAGC CGGTGGAGTA ACCTTTTAGG AGCTAGCCGT	180
15	CGAAGTGGGA CAAATGATTG GGGTGAAGTC GTAACAAGGT AGCCGTATCG GAAGGTGCGG	240
	CTGGATCACC TCCTTTCTAA GGATATATTC GGAACATCTT CTTCAGAAGA GCGGAATAAC	300
20	GTGACATATT GTATTCAGTT TTGAATGTTT GTTCATTCAA ATTAATGGGC CTATAGCTCA	360
20	GnGGTTANAG CGCACCCTGA TNAACGTGAA GTCGGTGGTT	400
	(2) INFORMATION FOR SEQ ID NO: 3939:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3939:	
25	AGTTTTGAAT GTATAAATTA CATTCATATG TCTGGTGACT ATAGCAAGGA GGTCCACCTG	60
35	TTCCCATGCC GAACACAGAA GTTAAGCTCC TTAGCGTCGA TGGTAGTCGA ACTTACGTTC	120
	CGCTAGAGTA GAACGTTGCC AGGCATAATA TTAATCCACA GTAGCTCAGT GGTAGAGCTA	180
40	TCGGCTGTTA ACCGATCGGT CGTAGGTTCG AGTCCTACCT GTGGAGCCAT GGCTCTTGGT	240
	CAAGCGGTTA AGGACACCGC CCTTTCACGG CGGTAACACG GGTTCGAGTC CCGTAGAGTT	300
	CATTATTTTG GAGAATTAGC TCAGTAGGGA GAGCATCTGC CTTACAAGCA GAGGGTCGGC	360
45	GGTTTCGAAC CCTnCATTTT CCACCATTTG GTTATTAAAn	400
	(2) INFORMATION FOR SEQ ID NO: 3940:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	ACACAACAGC TGTTTCAAAA ATGATTGGTA CAACTGCTGG TTATGTTGGT TATGATGACA	60
	ATTCAAATAC GTTAACTGAA AAAGTACGCC GTAATCCATA CTCAGTCATT CTATTTGATG	120
5	AAATCGAAAA AGCAAATCCA CAAATTTTAA CATTGTTATT ACAAGTAATG GATGATGGTA	180
	ATTTGACTGA TGGTCAAGGT AATGTCATCA ACTTTAAAAA TACAATTATT ATTTGTACAT	240
10	CAAATGCTGG CTTTGGCAAT GGCAATGACG CTGAAGAAAA AGATATTATG CACGAAATGA	300
	AAAAATTCTT CCGCCCTGAA TTCCTTAACC GCTTCAACGG CATCGTGAAT TnCTTACATT	360
	TAGATAAGGT GCCnTGCAGG TATCGTCCAA CTATTATTAG	400
15	(2) INFORMATION FOR SEQ ID NO: 3941:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3941:	
25	ATACAATTTT AAATCTGTAT GTGTGAATCC AACACATGTT AAATATGCAG CAGAGCGnCT	60
	AGCTGATTCA GAGGTGCTCG TTTGTACGGT AATAGGATTC CCATTAGGTG CGTCGACAAC	120
30	TGCAACGAAA GCATTTGAAA CAGAAGATGC AATTCAAAAT GGTGCAGATG AAATTGACAT	180
	GGTCATCAAC ATCGGCGCAT TAAAAGATGG ACGTTTTGAT GATGTACAAC AAGACATTGA	240
	AGCAGTGGTT AAAGCTGCGA AAGGTCACAC AGTAAAAGTG ATTATTGAGA CGGTATTGTT	300
35	GGACCATGAC GAAATTGTAA AAGCGAGTGA TTAACAAAAG CGGCTGGTGC GGACTTCGTT	360
	AAAAACTTCA GCAGGTTTTG CCAGTGGCnG TGCGACTGCA	400
40	(2) INFORMATION FOR SEQ ID NO: 3942:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3942:	
50	CTCTGGATCA AAGCTTACTT ACAGCTCCCC AAAGCATATC GTCGTTAGTA ACGTCCTTCA	60
	TCGGCTTCTA GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT ATGTTTCCAC	120
	CATTITTATA AGTCAAACGT TAACATGAAG TTACGTTCTT TTATAAAAAG ATTTAAACGC	180
55		

	TATTIAAAAC TCTTTATTCA CTCGGTTTTG CTTGGTAAAA TCTATATTTT ACTTACTNAT	300
_	CTAGTTTTCA ATGTACAAAT AATGGTGGAG ACTAGCGGGA TCCGAACCCG CTGACCCnAC	360
5	ChgCGTGCAA AGCAGGCGCT CTACCCAGCT TGAGCTAAGG	400
	(2) INFORMATION FOR SEQ ID NO: 3943:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3943:	
20	CGCTACACTA CGAGACCATT AGTAAAACGG AGGAAGAGGG ATTCGAACCC CCGCGAGCCG	60
20	TTAAGCCCCT GTCGGTTTTC AAGACCGATC CCTTCAGCCG GACTTGGGTA TTCCTCCAAA	120
	ATTATATGGA CCTTGCAGGA CTCGAACCTG CGACCGAACG GTTATGGAGC CGTTAGCTCT	180
25	GAACCAACTG AGCTAAAGGT CCTAAATATA ATTTTACAAC TAATAAATAG TGGCGGTGGA	240
	GGGGATCGAA CCCCCGACCT CACGGGTATG AACCGTACGC TCTAGCCAGC TGAGCTACAC	300
	CGCCTTATAT AGTTTGTAAA TNANNATGGT GGGAGACTAG CGGGGTTCGA ACCGCTGGAC	360
30	CTCCTGCGTG CCAAAGCAGG CGGCTTCTAC CCAGCTGGAG	400
	(2) INFORMATION FOR SEQ ID NO: 3944:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 406 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3944:	
	CCAAAATTGC ACCTTGTCGT TTATTCGGAA AATCAATATn GnTAGGGGGT ATAAGATGCA	60
	CCTACTTTAA CTGTCGCCAA CATCGCCGCA ATCATTTCAA AACTACGTTC TGTAAACAAG	120
45	GCAACCCGTT GACCATTGCC CACACCATTT GATAGGAGCA TGTGCGCAAT GGCATCCACA	180
	TAGTTGCGTA ATGTTTCATA CGTCATTGTC AAATCATTCA TGACTAGCGC AACATGATTA	240
50	CCTTGTCGTG AGAAACTTCA TTAAAGTAAC TTATGATAGA TTTATTTCCC GGGACATTAA	300
	GCATTCGATC GTTAACATGC GTATTGACCC AATTTAGAAG TTCCTCCGTG CCGTTTGGTA	360
	TATCACAAAT TTGTAGTGTA WCLTGATGCT TCMAAATAEC AATCAN	406
55		

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3945:	
	CAATGACAAC AGCAACTGAG ACAGTGTCAA ACGCTTAATA ATAATGATGT AGTGTCGAAT	60
	AATACCGCAT TAAATGTACC AACTAAAACA AATGAAAATG GTTCAGGAGG ACATCTAACT	120
15	TTAAAGGAAA TTCAAGAAGA TGTTCGTCAT TCTTCAAATA AACCAGAGCT AGTTGCAATT	180
	GCTGGAACCA GCATCTGAAT AGACCGAAAA AGAGAAGTTA GACGTGCGGC ACCGGCAGAT	240
	CCTGAATGCC AACTCCAGCA GATCCAGCGG CTGCAGCGGT TAGGAAACGG TGGTGCACCA	300
20	GTTGCAATTA CAGCGCCATA TACGCCAACA ACTGATCCTA ATGCCATGAN GCCAGGACAA	360
	ATGGCACCTA ACGANGCTTG TTCATTTGAT GGACANGGTA	400
25	(2) INFORMATION FOR SEQ ID NO: 3946:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3946:	
35	CTCGCTGCGA TAAAGTACCA GTTCATAGCA ACGTTTGTnT TAATAGGnTC TGAAACGATA	60
	CGTGTTGCCG GTTCTGTAAA TGAATAGACC AAAGCATCTT GCATACCAAC AACTATATTT	120
	GCTGCAAATC CTCCAACAGC GGAANATATG CCATCGTTAG TCCAGCGATA GGGTGATAGC	180
40	CAATTTTAAT AAAAAGCATT GCTGCAACGG CCGGCAAGAT AATTGTCGCA GCATCGCCGG	240
	CTGTACTACC TAAAATACCA ATTAATATAA TAGTCGGTAA AATTAAGAAA CGTGGTGCGC	300
45	GATTCACAAC AGAAATCATT AACTTATCGA AGTATCCTGT TTTCTCTGCA ACACCAATAC	360
	CAATCATCAC TGCTAGGTAC TAAGCCTAAT GCTGGGAACT	400
	(2) INFORMATION FOR SEQ ID NO: 3947:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3947:	
	GCCGGCCAGA GGACTTGGAA CCCCCAACCT ACTGATTACA AGTCAGTTGC TCTACCAATT	60
5	GAGCTAGGCC GGCAATATGT AAGAATAAAT GGTGGAGAAT GACGGGTTCG AACCGCCGAC	120
	CCTCTGCTTG TAAGGCAGAT GCTCTCCCAG CTGAGCTAAT TCTCCGATTT AAAACTGCCT	180
10	GGCAACGTTC TACTCTAGCG GAANTAATTC GNACTACCAT CGACGCTAAG GAGCTTAACT	240
, 0	TCTGTGTTCG GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGAATG	300
	TAATTTATAC ATTCAAAACT AGATAGTAAG TAAAAGTGAT TTTGCnTTCG CAAAACATTT	360
15	A	361
	(2) INFORMATION FOR SEQ ID NO: 3948:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 382 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3948:	
	TTCCGTCAGA CCCTGACATG GTTCATGGGT TCATATTGCA TAGGACCGAA ATCTTCAAAC	60
30	ACTACGTGCT TTGGGCAGAC TTCGCAAAAA TACGGCCTCA ACAAAGGAAT TAAGCCTCGC	120
	ATAAAGCGGA TTTCGAGTAC AGGGAACCGC TACCTCCCCA CCTAGCACGG CAAGATATAT	180
	ATTACTATAT TTTAATAGTT AATTGCAAGT ATAAATCATT TATATCATTG TTTACTTTAT	240
35	ACGACGTCTT GAGAAGTCAT TAATTTAAAT TCATTTGCAA GATGTTTTGA AATATTATAT	300
	TGAAACGGCA TTGTATTTTC TAAATACACA nTACTTCGAA CTGTTGCnGA ATAGGCCACC	360
40	GATACATCAC CAACAATTGG NA	382
40	(2) INFORMATION FOR SEQ ID NO: 3949:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3949:	
	GCCAAGCCAT TTTTCTTTGT GTTTACTTTT TATTTTGACG TTTTAGACAT AAAAAAAAGA	60
	GACCTTGCGG TCTCAATGCG GCTCATCGCA TCCATTTTTT GCCTGGCAAC GTTCTACTCT	120

	TTGCTTCTTT CCTCTTCTTC GGCTCTCGCT TACTCATTTA GCTCTACTAA ACTCGTTGCG	240
	CTCTTTTCTC GTTTCGTCAG ATTCAAACGT TTTCACTTCG CCAAGCCATT TTTCTTTGTG	300
5	TTTGCTTTTT AnTTTGACGT TTTAGACATA AAAAAAAGAG ACCTTGCGGn CTCAATGnGG	360
	GCTCATCGCA TCCAATTTT GGCCTGGCAA CGGTTCTACT	400
	(2) INFORMATION FOR SEQ ID NO: 3950:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 389 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3950:	
20	ACTCGGTTTT GCTTGGAAAA TCTATATTTA CTTACTTATC TAGTTTTCAA TGTACAATTT	60
	CTTTTTAGTC AAGCGCTCGC ATACTGCTTT ATTTTCATAA GCAATATCAC TTTAACCAAA	120
	AAATATTTGA ATGTTAAATA AACATTCAAA ACTGAATACA ATATGTCACG TTATTCCGCA	180
25	TCTTCTGAAG AAGATGTTCC GAATATATCC TTAGAAAGGA GGTGATCCAG CCGCACCTTC	240
	CGATACGGCT ACCTTGTTAC GACTTCACCC CAATCATTTG TCCCACCTTC GACGGCTAGC	300
30	TCCTAAAAGG nTACnCCACC GGCTTCGGGT GTTACAAACT CTCGTGGTGT GACGGGCGGT	360
	GTGTACAAGA CCCGGGAACG nATTCACCG	389
	(2) INFORMATION FOR SEQ ID NO: 3951:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 377 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3951:	
45	AAAGCTCGAC TTGTTTACGA TGTTGAAAAA CAAGATTATG TACCTGTATC GCAACCACAA	60
45	TTACCAATTT TAAATGAATT TAATAAAGAC TTAGTGCATA ACCTTGATAC CATATTCAAT	120
	GCGCAAGACG AnCGGGACTA TTTTTATGGG AGACATTACG TAATAATTTC TATTACTCTG	180
50	CTATCAATGT ACCTAAAGCT ACCGATGATT TCCGAGACAT AGACCGTGCG CTTGTCTGGG	240
	GGTTCAACTG GAAACTTGGT CCATTCCAAT TATGGGATGC AATGGGATAC GAACGTGTTA	300
	AAACAnTGAT GGGAAGACGA ACTTGGGAGA CTTACCACAA TGGGATTAGT GANTTAGATG	360

(2) INFORMATION FOR SEQ ID NO: 3952:

55

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3952:	
	CAAAGGGCAG CGAAACCGCG AGTCCAGAGC AAATCCCATA AAGTTGTTCT CAGTTCGGAT	60
15	TGTAGTCTGC AACTCGACTA CATGAAGCTG GAATCGCTAG TAATCGTAGA TCAGCATGCT	120
	ACGGTGAATA CGTTCCCGGG TCTTGTACAC ACCGCCCGTC ACACCACGAG AGTTTGTAAC	180
	ACCCGAAGCC GGTGGAGTAA CCTTTTAGGA GCTAGCCGTC GAAGTGGGAC AAATGATTGG	240
20	GGTGAAGTCG TAACAAGGTA GCCGTATCGG AAGGTGCGGC TGGGATCACC TCCTTTCTGA	300
	AGGATATATT CGGGAACATC TTCTTCAGAA GAGCGGGAAT AACGTGACAT ATTGTATTCA	360
	GnTTTGGAAT GTTTnnTTAA CATTnCAAAA AAATGGGGCC	400
25	(2) INFORMATION FOR SEQ ID NO: 3953:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3953:	
	TGATTTTGAC GTTTTAGACA TAAAAAAAA AGACCTTGCG GTCTCAAATG CGGCTCATCG	60
	CATCCATTTT TTGCCTGGCA ACGTTCTACT CTAGCGGAAC GTAATTGGCT ACCATCGACG	120
40	CTAAGAACCT TTCTTGACTT GTGACAATCG CTTGCTTCTT TCCTCTTCTT CGGCTCTCGC	180
	TTACTCATTT AGCTCTACTA AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACG	240
	TTTTCACTTC GCCAAGCCAT TTTTCTTTGT GTTTGCTTTT TATTTTGACG TTTTAGACAT	300
45	AAAAAAAAGA GACCTTGCGG TCTCAATGCG GGCTCATCGC ATCCATTTTT TGCCTGGCAA	360
	CGTTCTACTC nAGCGGGAAG TGAAGNCGGA CTGACCAAGC	400
50	(2) INFORMATION FOR SEQ ID NO: 3954:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3954:	
	AAACTACATA ATGAAAATGC CGTTTTAATC GGTAAATTAA ATATGGATGA GTTTGCAATG	60
5	GGTGGTTCAA CAGAAACATC TTATTTCAAA AAAACAGTTA ACCCATTTGA CCATAAAGCA	120
	GTGCCAGGTG GTTCATCAGG TGGATCTGCA GCAGCAGTTG CAGCTGGCTT AGTACCATTT	180
	AGCTTAGGTT CAGACACAGG TGGTTCAATT AGACAACCGG CTGCATATTG TGGCGTTGTC	240
10	GGTATGAAAC CAACATACGG TCGTGTATCT CGATTTGGAT TAGTGCTTTG CATCTTCATA	300
	GACCAAATTG GGCCATGACT CGAATGTAAA GTAATGCCAT CGTATTAGAA GCTATTCTGG	360
15	TGCAGATGNT AATGACTCTA CCAGTGCACC AGTGATGAGG	400
	(2) INFORMATION FOR SEQ ID NO: 3955:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3955:	
	TCGATTGGCA TTTCTCCGCT ACCCTCAGTT CATCCGCTCA CTTTTCAACG TAATCGGTTC	60
30	GGTCCTCCAT TCAGTGTTAC CTGAACTTCA ACCTGACCAA GGGTAGATCA CCTGGTTTCG	120
50	GGTCTACGAC AAATACTAAA CGCCCTATTC AGACTCGCTT TCGCTACGGC TCCACATTTA	180
	CTGCTTAACC TTGCATCAAA TCGTAACTCG CCGGTTCATT CTACAAAAGG CACGCCATCA	240
35	CCCATTAACG GGCTCTGACT ACTTGTAAGC ACACGGTTTC AGGTTCTATT TCACTCCCCT	300
	TCCGGGGGTG CTTTCACTT TTCnCTTCAA GGTATGGGTT CACTATCGGT nACTAGAGAG	360
	TAATTAGCTT AGGmGATGGT CCTCCCAGAT TCGGAAGGGA	400
40	(2) INFORMATION FOR SEQ ID NO: 3956:	
<b>4</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3956:	
	GCTACGGGCG CATATGTTTT TATTGAAAAT GGTGCCGAGG ACCGGAATCG AACCGGTAGT	60

	ATAAAAATGG AGCAGAAGAC GGGATTCGAA CCCGCGACCC CAACCTTGGC AAGGTTGTAT	180
	TCTACCGCTG AACTACTTCT GCATATGCGG GTGAAGGGAG TCGAACCCCC ACGCCGTAAG	240
5	CTTAGGATCC TAAGTCTAGT GCGTCTGCCA ATTCCGCCAC ACCCGCAAAT GGTGAGCCAT	300
	AGAGGATTCG AACCTCTGGA CCCTCTGGAT TAAAAGTCAG ATGCTCTACC AACTGGAGCT	360
10	AATGGCTCTT TCCATGGTGC CGGGCCAGAG GACTTTGAAn	400
10	(2) INFORMATION FOR SEQ ID NO: 3957:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 379 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3957:	
	CAGACATGTG TTATACGGGA AATTGGGCGA ACCGCAACTA TTATACATTG ATTTACACCT	60
	TATACATGAA GTTACTTCTC CTCAAGCATT TGAAGGACTT AGGCTTCAAA ACAGAAAATT	120
25	AAGACGCCCA GATTTAACAT TTGCAACACT CGATCACAAT GTTCCTACTA TTGATATATT	180
	CAATATTAAA GATGAAATTG CAAACAAACA AATCACAACA TTACAAAAAA ACGCCATAGA	240
30	TTTTGGGGTG CATATTTTTG ATATGGGTTC TGATGAACAA GGTATTGTTC ACATGGTAGG	300
30	ACCTGAGACA GGACTTACAC AGCCTGGCNA GACCATCCGT NTGTGGGTGA CTCTCACACA	360
	GCCACACATG GnGCCTTTT	379
35	(2) INFORMATION FOR SEQ ID NO: 3958:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3958:	
45	TGTTAAAATA CGGTACATCT AAATTAATGT TAACTGATTT TCAAAAAGAG AATTAAATAA	60
	ATATATTCAA GGTCAGANAC AACGCGTGAT ATTTGAAAAT GGCCATTTTG TCTAATTGAT	120
50	AGTGAATATA ATTAGAGTAA GAGGCTGGGA CATAAATCCC TAAAAAACAG CAGTAAGATA	180
50	ATTTCAATT AGAAAATATC TTACTGCTGT TCTCTATTTA TACAATACTT CGTATTGAAT	240
	GGCTTCGCTT TCCTAGGGTG CCGTCTCAGC CTCGGTCTTC GACTGGCACT GCTCCCTCAG	300

	AATAAGACAT TTGnCCAACT TGACACTACC ATTAAAAACT	400
_	(2) INFORMATION FOR SEQ ID NO: 3959:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(b) Topologi: Tillear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3959:	
15	GAGCCGCAGT GGAATGAGGC CCAAGCGACT GTTTATCAAA AACACAGGTC TCTGCTAAAC	60
	CGTAAGGATG TGTTATAGGG GCTGACGGCT GCCCGGTGCT GGAAGGTTAA GAGGAGTGGT	120
	TAGCTTCTGC GACGTACrGA ATCGAAGCCC CAGTAAACGG CGGCCGTAAC TATAACGGTC	180
20	CTAAGGTAGC GAAATTCCTT GTCGGGTAAG TTCCGACCCG CACGAAAGGC GTAACGATTT	240
	GGGCACTGTC TCAACGAGAG ACTCGGTGAA AATCATAGTA CCTGTGAAGA TGCAGGTTAC	300
25	CCGCGTACAG GACGGAAAGN CCCCTGGAGC TTTACTGTAG CCTGATATTG AAATNCGGCA	360
	CAGTTTGTAC AGGATAGGTT AGGAGCCTTG GAAACGTGTG	400
	(2) INFORMATION FOR SEQ ID NO: 3960:	
30 35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3960:	
40	TGGTCCCAAA CCAAGTGCTC TACCAAGCTG AGCTACTTCC CGTATAATTA ACGCGCCCGA	60
	TAGGAGTCGA ACCCATAACC TCTTGATCCG TAGTCAAACG CTCTATCCAA TTGAGCTACG	120
	GGCGCATATG TTTTTATTGA AAATGGTGCC GAGGACCGGA ATCGAACCGG TAGTGANTNC	180
45	ACTCACCGCA GATTTTAAGT CCTGTGCGTC TGCCAGTTCC GCCACCCCGG CACTATAAAA	240
	ATGGAGCAGA AGACGGGATT CGAACCCGCG ACCCCAACCT TGGCAAGTTG TTATTCTTAC	300
50	CGCTGGAACT ACTTCTGGCA TATGCGGGTT GAAGGGGAGT CGAACCCCCA CGCCGTAGGC	360
	TTAAGATTCC TGAAGTCTAG TGCGTCTGGC CAATTTCCGG	400
	(2) INFORMATION FOR SEQ ID NO: 3961:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3961:	
	TTTTGATACA TAATCTAAAT TTCTCAAAGC GCCAATAACA GAGGACCATC TCCTAAGGCT	60
10	AAATACTCTC TAGTGACCGA TAGTGAACCA GTACCGTGAG GGAAAGGTGA AAAGCACCCC	120
	GGAAGGGAGT GAAATAGAAC CTGAAACCGT GTGCTTACAA GTAGTCAGAG CCCGTTAATG	180
	GGTGATGGCG TGCCTTTTGT AGAATGAACC GGCGAGTTAC GATTTGATGC AAGGTTAAGC	240
15	AGTAAATGTG GAGCCGTAGC GAAAGCGANG TCTGAATAGG GCGTTTAGTA TTTGGTCGTA	300
	GACCGGAAAC CAGGTGATCT ACCCTTGGTC AGGTTGAAGT TCAGGTAACA CTGAATGGAG	360
	GACCGAACCG ACTTACGTTG AAAAGTGAGC GGATGAACTG	400
20	(2) INFORMATION FOR SEQ ID NO: 3962:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3962:	
	TAATAATTAC AGTATATCGG GAAGACAGGA TTCGAACCTn CGACCCCTTG GTCCCAAACC	60
	AAGTGCTCTA CCAAGCTGAG CTACTTCCCG TATANTTAAC GCGCCCGATA GGAGTCGAAC	120
35	CCATAACCTC TTGATCCGTA GTCAAACGCT CTATCCAATT GAGCTACGGG CGCATATGTG	180
	TTTATTGAAA ATGGTGCCGA GGACCGGAAT CGAACCGGTA CGTGATCACT CACCGCAGGA	240
	TTTTAAGTCC TGTGCGTCTG CCAGTTCCGC CACCCCGGCA CTATANAAAT GGATCAGAAG	300
40	ACGGGATTCG AACCCGCGAC CCCAACCTTG GCAAGGTTGT ATTCTACCGC TGAACTACTT	360
	с	361
45	(2) INFORMATION FOR SEQ ID NO: 3963:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 375 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3963:	

	AAGTGTCTTA TTTTTTTAAA GTATTTCAAA GTAAAATTAC ATGTTAATAC GTAGATTAAT	120
	GGCGAGACTC CTGAGGGAGC AGTGCCAGTC GAAGCCGTAG GCTGAGACGG CACCCTAGGA	180
5	AAGCGAACCA TTCAATACGA AGATnTnATn AAATAGAGAA CAGCAGTAAG ATATTTTCTA	240
	ATTGAAAATT ATCTTACTGC TGTTTTTTAG GGATTTATGT CCCAGCCTCT TACTCTAATT	300
10	ATATTCACTA TCAATTAGAC AAAATGGCCA TTTTCAAATA TCACGCGTTG GTTTCTGACC	360
70	TTGGAATATA TTTAT	375
	(2) INFORMATION FOR SEQ ID NO: 3964:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3964:	
25	AAAATGGCCT TGATAGACTT GCTCAATGCA GGGTTGCCAC AAACCAATGA TGCACTTACA	60
	ATTTTAAATA GATTTTTAAG ACCTTGTTGG TTTTGTACAA TTAATGTGAC ATGACTAGGT	120
	CTTGCACGTT TATATGCATC TTCATTACTG AGTTTTTTGT TGATTTCGTT ATGATTTAAT	180
30	ACGCCTAATT CTTTCATTTG TTGAACCATT TTTATGAAAA TGTAAGCTGT TGCTTCTGTA	240
	TCATAAATGG CACGGTGATG TTGCGTTAAT TCTACGCCAT ATTTTTTAGC CAAGAAATTC	300
	AAACCATGTT TACCATATTC AGTATTAATC GTACGAGGAT AATTCTAAAG TATCGATAAC	360
35	ACCATTCGTT GGATGGTCCA AACCCAAGAC GTTCATATCC	400
	(2) INFORMATION FOR SEQ ID NO: 3965:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 391 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3965:	
	ACTITIAATT TIGICATGAT GIGCCTCCTT ACCGIATGAT GITATICAAA GIAAATIGCT	60
50	TTGCCTGATT TTGCAGACTG ATAAATCGCT TCAAGAATTT TTGTAACTAC CATTGCTTGT	120
	TCCGGTTTCA CAACTGGTTC AGTATCATTT ACAACTGCAT CAATCCAAGC TTTTGCTTCT	180
	TCTTCAGCTT CATCCACTTC ATTACCTTCA TAAAAGTCGA CGCCTTTGTT TTCCAATTCA	240

	TCAGCACCTG CTTTAGGTTC CTGATAATGA ACATTTTGGC CTCATCCACT TCTAAANGAA	360
	TTAATCGCCC AAGnGGGATT CCAAAAAGGA n	391
5	(2) INFORMATION FOR SEQ ID NO: 3966:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 398 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3966:	
	CGCTATCAGG TATTGTTTCA ACAATTTCAT TAACATATCG TGAAATATCA TTTTGAGGGA	60
	TTCTAACAGA AGTTTCTATT GGTAGTGTAG TTGGGGGCATG TTATAATTTT TATACATAAG	120
20	GCACCTCGTT AATTTAGTTT AGTGGTATTT ATTAAATTAT AAGAAGGGAC CCAACACAGA	180
	AAATTCATTT TATTGAATTT TACATTTATG TGCAAGTTGG GCAAAGTGTC TTATTTTTTA	240
25	AAAGTATTTC AAAGTAAAAT TACATGTTAA TACGTALATA ATGGCGAGAC TCCTGAGGGA	300
25	GCAGTGCCAG TCGAAGCCAA GGCTGAGACG GCACCCLAGG AAAGCGAcnC ATTCAATACG	360
	AAGATTGTAT AAATAGAGAA CAGCAGTAAG ATATTTTC	398
30	(2) INFORMATION FOR SEQ ID NO: 3967:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3967:	
40	GCTATAGAAA AAATAAAATC ACAAGTTACG ATTAGCGTAC TTGATGGGGA GTGAAAATAA	60
	TGAGAGTAAC AGAGTTATTA ACAAAAGATA CAATAGCAAT GGATTTAATG GCAAATGACA	120
45	AAAATGGTGT TATTGATGAG TTAGTAAATC AATTAGACAA AGCAGGTAAA TTAAGTGATG	180
	TCGCGTCATT TAAGGAAGCG ATTCACAATC GAGAATCACA AAGTACAACT GGTATCGGCG	240
	AGGTATTGCC ATTCCACATG CCAAAGTGGC CGCAGTTGAA GTCACCAGCT ATTGCGTTTG	300
50	GTAAATCTAA AGCAGGCGTG GATTATCAAn TTTGGnTATG CAACCAGCAC ACTTnTTCTT	360
	TGTGGTTGGC AGCG	374
	(2) INFORMATION FOR SEQ ID NO: 3968:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3968:	
10	ACCCCGGCAC TATAAAAATG GAGCAGAAGA CGGGATTCGA ACCCGCGACC CCAACCTTGG	60
	CAAGGTTGTA TTCTACCGCT GAACTACTTC TGCATATGCG GGTGAAGGGA GTCGAACCCC	120
	CACGCCGTAA NCTGAGGATC CTAAGTCTAG TGCGTCTGCC AATTCCGCCA CACCCGCAAA	180
15	TGGTGAGCCA TAGAGGATTC GAACCTCTGG ACCCTCTGAT TAAAAGTCAG ATGCTCTACC	240
	AACTGAGCTG AATGGCTCTT CCATGGTGCC GGCCAGAGGA CTTGAACCCC CAACCTGACT	300
20	GGATTACAAG TCAGTTGCTC TACCAATTGA GCTAAGGCCG GGCAATATGT AAGAATAAAT	360
	GGTGGAGAAT GACGGGGTTTC GAANCGCCGA CCCTCTGCTT	400
	(2) INFORMATION FOR SEQ ID NO: 3969:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3969:	
	GCGAGTTGGG GTGTGGGCCC CAACATAGAG AAATTGGATT CCCAATTTCT ACAGACAATG	60
35	CAAGTTGGCG GGGCCCCAAC ACAGAAGCTG ACGAAAAGTC ATTANCAATA ATGTGCAAGT	120
	TGGCGGGGCC CCAACACAGA AGCTGACGAA AAGTCATTAN CAATAATGTG CAAGTTGGCG	180
40	GGGCCCCAAC ACAGAAGCTG GCGGAAAGTC AGCTTACAAT AATGTGCAAG TTGGGGTGGG	240
	ACAACGATAA AGTAATACTT TTTCTATAGA AATTAGTATT TCTTATGCAT GAGTTTTACT	300
	CATGTATTCC TATTTTTAAG TACACATTAG CTGTGGCTAA TGTTTAAGAC CCACTACATA	360
45	ATAAATCATT AGTGGCTCTn TATCATTTCT GTCCCACTCC	400
	(2) INFORMATION FOR SEQ ID NO: 3970:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 419 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	GATAAGATCA GCCGAAAATG GATGGTGTTA AGAGCGTTAC TTGGTTTGGC GGTATGCTTA	60
	TTTTTAATGG CATTGTGTAC GACACCATTA CAGTTTGTAC TTGTGAGGTT ATTGCAGGGA	120
5	CTATTTGGTG GTGTTGTTGA TGCATCAAGT GCGTTTGCGA GTGCAGAGGC GCCACTGAKA	180
	GATCGTGGAA AGEATTAGGA GACTGCAAAT TCAGTCAGCG CAGGECTCTT GTGGGGCCAT	240
10	TAATTGGCGG TGTTACAGCT TCGATATTAG GTTTTAGTGC GTTACTGATG AGTATTGCCG	300
	TTATTACTTT TATTGTCTGT ATTTTCGGTG CATTAAAATG ATTGAAACGA CACATATGCC	360
	AAAATCACAA ACACCAAATA TTAATAAAGG TnTTCGCCGT TCCAnTTnCA ATGTCTAAT	419
15	(2) INFORMATION FOR SEQ ID NO: 3971:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 381 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3971:	
23	AAACTTGGGA GACTTCAATA ACAGATTTAG GTTTATCTAA AAATCAGGCA TATAATTTCT	60
	TAATTACATC TAGTCAAAGA TGGGGCCTTA ATCAAGGGAT AAATGCAAAT GGCTGGATGA	120
30	GAACTGACTT GAAAGGTTCA GAGTTTACTT TTACACCAGA AGCGCCAAAA ACAATAACAG	180
	AATTAGAAAA AAAAGTTGAA GAGATTCCAT TCAAGAAAGA ACGTAAATTT AATCCGGATT	240
	TAGCACCAGG GACAGAAAA GTAACAAGAG AAGGACAAAA AGGTGAGAAG ACAATAACGA	300
35	CACCAACACT AAAAAATCCA TTAACTGGAG TAATTATTAG TAAAGGTGAA CCnnAAGGAG	360
	GGGTTTCCAn AGTCCGTTAT G	381
40	(2) INFORMATION FOR SEQ ID NO: 3972:  (i) SEQUENCE CHARACTERISTICS:	
45	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3972:	
50	GGGTTCAGAA CGTCGTGAGA CAGTTCGGTC CCTATCCGTC GTGGGCGTAG GAAATTTGAG	60
	AGGAGCTGTC CTTAGTACGA GAGGACCGGG ATGGACATAC CTCTGGTGTA CCAGTTGTCG	120
<i>55</i>	TGCCAACGGC ATAGCTGGGT AGCTATGTGT GGACGGGATA AGTGCTGAAA GCATCTAAGC	180

	GANGTTAATA GGTTCGAGGT GGAAGCATGG TGACATGTGG AGCTGACGAA TACTAATCGN	300
_	TCGAnGACTT AATCAAAATA AATGTTTTGC GACCAAATCA CTTTACTTAC TATCTAGTTT	360
5	GAATGATAAA TACATCATAT GCTGGnGCCA TACCAAGGGG	400
	(2) INFORMATION FOR SEQ ID NO: 3973:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3973:	
20	TCTTTTAATT ACGTAATGGC TTACCAGTTT TTAACATATG TGCAATTCTT TCATATGATT	60
20	TTTTAGATTT TAGTAAGTCA ATAAAGCCAA TTTTCTCCAA CGATTGAATG TAACGTTGAT	120
	TGATAAATGT ATTTCTTGGT AAATCACCAC CCGCTAAAAT TGTGGCGATA TTTAAGGCAA	180
25	TATGATAATC ATGGTCGCTA ATAAAATGAC CCCGTCTTTG CGCATCTAAT TGTCCTTGGA	240
	TCAATGCTTT GAAGTCTTCA CCTAAAGCGA TATATTGATG TCTAGGATTC GGAATATAGT	300
	TTGTTTCTGC TTCATATTTC GCACGTGTGA GCGCAACTTC GACACGnTGG TGCCTGGATT	360
30	ngaaaataaa ccgganccng ggatccacgg gaaataaccc	400
	(2) INFORMATION FOR SEQ ID NO: 3974:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3974:	
	TGCCATGTTC ACCTTGTTTA AAATCAAGGT TTGTAATGTT TCCTTGTGTC ACGATAATAG	60
45	GCGTAATATC ACTCTTTGCA TGATTGCGGA TGTAGTCTAA ATCAAAGTTG ATTAATAAAT	120
	CACCTTGTTT AACTTCTTGA CCTTCCTCAA CATGTAAAGT AAAGCCTTCT CCGTTTAATT	180
	TAACAGTGTC TAAACCGATG TGGATTAATA GTTCTAAACC ACTATCTGAA TACAAGACCA	240
50	ATTGCATGTT TTGTTGGGAA AATCATTTGT TACTTTACCG TTGAAATGGT GCACGAAACT	300
	TCACCTTGTG AnGTTTTTGG ATAGCGATAC CGTCACCCCA TCCATTTTT TTCGCTGAAA	360
	CACTTGGATC ANGGCACTTC TGAATAAATG GTGGTTAACT	400
55		

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 372 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3975:	
10	CCTTTGCAGC GCCTCCGTTA CCTTTTAGGA GGCGACCGCC CCAGTCAAAC TGCCCGCCTG	60
	ACACTGTCTC CCACCACGAT AAGNGCGGGN GTTTAGAAAG CCAACACAGC TAGGGTAGTA	120
15	TCCCACCAGC GCCTCCACGT AAGCTAGCGC TCACGTTTCA AAGGCTCCTA CCTATCCTGT	180
	ACAAGCTGTG CCGAATTTCA ATATCAGGCT ACAGTAAAGC TCCACGGGGT CTTTCCGTCC	240
	TGTCGCGGGT AACCTGCATC TTCACAGGTA CTATGATTTC ACCGAGTCTC TCGTTGAGAC	300
20	AGTGCCCAAA TCGTTAACGC CTTTCGTGCG GGTCGGAACT TACCCGACAA GGANTTTCGC	360
	TAACTTAGGA CC	372
25	(2) INFORMATION FOR SEQ ID NO: 3976:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 395 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3976:	
35	AGGGAATCGA ATTTTCTTTC TCTTCCTnCG GGTACTAAGA TGTTTCAGTT CTCCGGGTGT	60
	GCCTTCTGAT ATGCTATGTA TTCACATATC GATAACATGA CATAACTCAT GCTGGGTTTC	120
40	CCCATTCGGA AATCTCTGGA TCAAAGCTTA CTTACAGCTC CCCAAAGCAT ATCGTCGTTA	180
40	GTAACGTCCT TCATCGGCTT CTAGTGCCAA GGCATCCACC GTGCGCCCTT AAATAACTTA	240
	ATCTATGTTT CCACCATTTT TATAAGTCAA ACGCTCACAT ACGGCTTCGT TTTCATTATT	300
45	TTAAAGCTCA TTTACATAAG TAAACTCTGC TTTAAATGAT TTAACTCATT GTCTGCTAAA	360
	ACGGTTTnTT TTATGAAAAG GTTTGAAACG GGTTn	395
	(2) INFORMATION FOR SEQ ID NO: 3977:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

2771

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3977:	
5	TTGGTCCCAA ACCAAGTGCT CTACCAAGCT GAGCTACTTC CCGTATAATT AACGCGCCCG	60
	ATAGAGTCGA ACCCATAACC TCTTGATCCG TAGTCAAACG CTCTATCCAA TTGAGCTACG	120
	GGCGCATATG TTTTTATTGA AAATGGTGCC GAGGACCGGA ATCGAACCGG TAGTnnTTCA	180
10	CTCACGCAGA TTTTAAGTCC TGTGCGTCTG CCAGTTCCGC CACCCCGGCA CTATAAAAAT	240
	GGAGCAGAAG ACGGGATTCG AACCCGCGAC CCCAACCTTG GCAAGTTGTT ATTCTACCGC	300
	TGAACTACTT CTGCATATGC GGGTGAAGGG AGTCGAACCC CCACGCCGTA GGCTTAGATC	360
15	CTTAAGTCTA AGTGCGTCTG GCCAATTTCC GCCANACCCG	400
	(2) INFORMATION FOR SEQ ID NO: 3978:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3978:	
	AAGTGGTTAA ATATTATAGA AAACATCAAA GGATGTTAAG AAATACAATT TATTACCCAG	60
30	CATTTAATAA TGGTGCTATA GAAGGAATTA ATAATAAGAT AAAATTAATC AAGTGAATTT	120
	CTTTTGGTTA CAGAAATTTC AACAACTTTA AAGCACGTAT AATGATGATT TTCAGCTTGT	180
	ACAAAGGAGA AAAAAAGAAG ACAACCAAGC CCAATAATGG ACTGGCCGCC TAATAATAAA	240
35	AGCTCTAAAA GTTGTATTTT AAAAATAGTT CTTTAAATTA TATACCCACC ACATTTGGTG	300
	GAGGAACCTA AAAAAAAGCA CTTCCCAAAA ATGGGAAAGT GCAGTNAGTG GAGCCATAGA	360
40	GGATTCCGAA CCTCGGACCC TCnGAnT	387
40	(2) INFORMATION FOR SEQ ID NO: 3979:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3979:	
	TGGAGCAGAA GACGGGATTC GAACCCGCGA CCCCAACCTT GGCAAGGTTG TATTCTACCG	60
	CTGAACTACT TCTGCATATG CGGGTGAAGG GAGTCGAACC CCCACGCCGT AAnTTAGCAT	120
55		

	CGAACCTCTG GACCCTCTGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT AATGGCTCTT	240
	CCATGGTGCC GGCCAGAGGA CTTGAACCCC CAACCTACTG ATTACAAGTT CAGTTGCTCT	300
5	ACCAATTGAG CTAGGCCGGn CAATATGTAA GAATAAATGG TGGAGAATGA CGGGTTTCGA	360
	ACCGCCGAAC CCTCTGCTTG TnAAGGGCAG ATGGCTCnTC	400
	(2) INFORMATION FOR SEQ ID NO: 3980:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3980:	
20	TTACCACGTA TTTAGGTTTC TTTGGTGGCT CTAGATTTGT CCCTATTGTC ACAGCATTTG	60
	CCGCAATCTT TTTAGGTGTA TTGATGTTTT TCATTTGGCC AAGCATACAA GCCGGCATTT	120
	ATCATGTTGG TGGATTTGTA ACGAAAACAG GTGCCATCGG TACTTTTGTT TATGGCTTCA	180
25	TCTTAAGATT GTTAGGTCCA CTCGGTTTAC ACCATATTTT TTACTTACCG TTTTGGCAGA	240
	CGGCACTTGG TGGTACTTTA GAAGTCAAAG GGCACTTAGT TCAAGGTACG CAGAACATCT	300
.30	TCTTTGCTCA ACTTGGTGAT CCAGATGTGA CGAnTATTAT TCCAGGTGTG TCACGCTTTA	360
,,,	ngtcagccgt tttaatacga ggatgttcgg ctangtggtg	400
	(2) INFORMATION FOR SEQ ID NO: 3981:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3981:	
45	CGACATACGC TGATAAATTA GTTATTAAAC GTAATGGTAA CGTTGTGACG ACATTTACAC	60
40	GTCGCAATAA TACGAGTCCA TGGGTGAAAG AAGCATCTGC AGCAACTGTA GCAGGTATTG	120
	CTGGAACTAA TAATGGTATT ACTGTTGCAG CAGGTACTTT CAACCCTGCT GATACAATTC	180
50	AAGTTGTTGC AACGCAAGGG AAGCGGAGAG ACAGTGTAGT GGATGGAGCA ACGTATAGTT	240
	GGATTTCACA GTTGTCGCAC CACAACCGAA CCAAGCGACT GACTGAAGAT TTGGCAAAAT	300
	GGnCATATTG ATATCACGCC TAATGANTCC ATTCAGGACA TTTAATTAAT CCAACTCAAG	360

(2) INFORMATION FOR SEQ ID NO: 3982:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3982:	
	TTTAGCTGAA GCTTTAACTT ATACAAGTGA ACATCAAATG AACTTTATAG ATCCATTCAA	60
15	TAATGTTCAT ACAATTTCTG GACAAGGTAC GCTTGCTAAA GAAATGCTAG AACAAGCAAA	120
	GTCTGACAAT GTTAACTTTG ATTATCTATT TGCCGCAATT GGTGGTGGCG GTTTAATTTC	180
	AGGTATTAGT ACTTACTTTA AAACCTATTC ACCTACCACG AAAATTATAG GTGTTGAACC	240
20	TTCAGTGCAA GTAGTATGTA TGAATCTGTT GTGGTAAATA ATCAGGTAGT CACATTGCCT	300
	AATATCGATA AATTTGTGGG ACGGTGCATC TGTAGCTAGA GTTGGCGATA TTACATTGGA	360
25	AATTGCCAAA GAAAAGTAGA GGATTACGTT CCAGTAGAGn	400
25	(2) INFORMATION FOR SEQ ID NO: 3983:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3983:	
	CCACCATTAT TTGTACATTG AAAACTAGAT AAGTAAGTAA AATATAGATT TTACCAAGCA	60
10	AAACCGAGTG AATAAAGAGT TTTAAATAAG CTTGAATTCA TAAGAAATAA TCGCTAGTGT	120
40	TCGAAAGACG CGACAAGATT AATAACGCGT TTAAATCTTT TTATAAAAGA AAACGTTTAG	180
	CAGACAATGA GTTAAATTAT TTTAAAGCAG AGTTTACTTA TGTAAATGAG CATTTAAAAT	240
45	AATGAAAACG AGGCCGTATG TGGAGCGTTT GACTTATNAA AAATGGTGGG AAACATAGAT	300
	TCAAGTTATT GAAGGCCCA CGGTGGGATG CCTTGGGCAC TAGNAAGCCG nTGGAAGGAC	360
	GTTACTAACG ACGATATGCC TTGGGGGAGC	390
50	(2) INFORMATION FOR SEQ ID NO: 3984:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
55	(C) STRANDEDNESS: double	

5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3984:	
J	GGGCTCTAAC ATATTCTTAA ATTGATCAAA TAGTTCTTGC CTTGTATCTG CAAATGTTTT	60
	GTAGTCTGCA TGCAATGTGA GTGCTTGATG AATTTTGACC ACAAATTCAA ATGTATCAGG	120
10	CGTTTCTTTT ATCCATTTCA ATATATTTCT TTCCGGTTGT ATCGCATAGT ATGTCGCATC	180
	TAATTCGACA ACCGGAAAAT GTCCAGCATA TGTTTTAAGT TTATCGGTTT GGCGTTCTAA	240
	ATCTTCATAT AATGAATAGT GATCACCCCA ACCTGTTAAT CCGATGTTTT ATCATATATA	300
15	TCACCAATGT CATCATACCA TATAACTTTT ATCATNATCA TTTCAGCGAA CTTTAGGTTT	360
	GnAGGTTTTT TGGCCTGGAT TAAANATCTT TCGGGCGGAT	400
	(2) INFORMATION FOR SEQ ID NO: 3985:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3985:	
30	GCATTTGCTT ATATCTTTAA AAAAGATTTT GAAGATATTG AAAGAAAAAC TAAAGAAATT	60
	ATTTCTGATA TTGAAAGTAA AAATAACTAA TAACATTTAG AGGCTGGGAC ATAAATCCCT	120
35	AAAAAnCAGC AGTAAGATAA TTTTCAATTA GAAAATATCT TACTGCTGTT CTCTATTTAT	180
	ACAATACTTC GTATTGAAAT GGCTTCGCTT TCCTAGGGTG CCGTCTCAGC CTTGGTCTTC	240
	GACTGGCACT GCTCCCTCAG GAGTCTCGCC ATTGAATACT ACGTATTAAC ATGThAATTT	300
40	TACTTTGGAA ATACTTTTAA AAAATAAGAC ACTTTGCCCA ACTTGGCACA TAAATGTTAA	360
	AATnCAATGA AATGAATTTT CTGTGTTGGG TCCCCTnCTA	400
	(2) INFORMATION FOR SEQ ID NO: 3986:	
<b>45</b> <b>50</b>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3986:	
55	TTCGTTCAAA GTCATCTAGG TCACATTATT CTATTTGGGA TTCTTAGTGC TGTTCTTATT	60

	ATGACAATAC AAAACGTAAA AAAGTCGCAG TGATCGGTAG TATTTTAGTA TTTATCATTA	180
	GTATTCCAGC AACCTTATCT TTTGGTATCT TAAAAGATGT AAGATTCGGT GCGGGAACGA	240
5	TTTTTGATAA TATGGATTTC ATCGTTTCGA ATGTATTGAT GCCATTAGGC GCATTAGGTA	300
	CTACGCTTGT CGTAGGnCAA TTATTAGnTA AAAAATTATT ACAnCAATAT TTTGGTAAAG	360
10	Ancgatttag gattattcag tggttggtat tacttaatta	400
70	(2) INFORMATION FOR SEQ ID NO: 3987:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3987:	
	GGATTCGAAC CCCCGCGAGC CGTTAAGCCC CTGTCGGTTT TCAAGACCGA TCCCTTCAGC	60
	CGGACTTGGG TATTCCTCCA AAATTATATG GACCTTGCAG GACTCGAACC TGCGACCGAA	120
25	CGGTTATGAG CCGTTAGCTC TAACCAACTG AGCTAAAGGT CCTAAATATA ATTTTACAAC	180
	TAATAAATAG TGGCGGTGGA GGGGATCGAA CCCCCGACCT CACGGGTATG AACCGTACGC	240
30	TCTAGCCAGC TGAGCTACAC CGCCTTATAT AGTTTGTAAA TAATATGGTG GGGACTANCG	300
	GGATCGGAAC CGCTGGACCT CCTGCGTGGC AAAGCAGGCC GCTCTCCCAG CTGGAGCTAA	360
	GNCCCCCATA ATAATNACAG TATATCNGGG AAGACAGGAT	400
35	(2) INFORMATION FOR SEQ ID NO: 3988:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3988:	
	CAGCTGATAA ACAAGTTGAT CTGGTCCCGA TTTGTTGGGT AAACGGTTGA TTAATGNAAA	60
	ATGTTCGCCG AAGGATTCAT AATCCGAGAG GTCTAATTCA ACGTATCATT AATCAAGATG	120
50	CGCCTATTTA TCAATCTGAA ACAAATTATC ATTCGAAAGA TCGCGGTAAG TCTAAAAATG	180
	GTATTCAAAT GGTGTATCAA CATTTAATGA ACGGTGTATC GTTTATGGnT CCTTTTATCG	240
	TAGTTGGTGG ACTCCTTATC GCCATCGCGC TGACTCCTAG GCGGTGAACG ACCATCCAAA	300
5 <b>5</b>		

	CCTTTAAATT AATGGTCCCA TACCAGnCGG GATAAACGCT	400
	(2) INFORMATION FOR SEQ ID NO: 3989:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 363 base pairs  (B) TYPE: nucleic acid	
10	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3989:	
15	CCAGAGATTT CCGAATGGGG GAAACCCAGC CATGAGTTAT GTCATGTTAT CGATATGTGA	60
	ATACATAGCA TATCAGAAGG CACACCCGGA GAACTGAAAC ATCTTAGTAC CCGGAGAAGA	120
	GAAAGAAAAT TCGATTCCCT TAGTAGCGGC GAGCAAACGG GAAGAGCCCA AACCAACAAG	180
20	CTTGCTTnGn GGTnTGTAGG ACACTCTATA CGGATTACAA AGGACGACAT TAGACGAATC	240
	ATCTGGAAAG ATGAATCAAA GAAGGTAATA ATCCTGTAGT CGAAAATGTT GTCTCTTTG	300
25	AGTGGATCCT GAGTACGACG GAGCACGTGG AAATTCCGTC GGAATCTGGG AGGACCATCT	360
25	ССТ	363
	(2) INFORMATION FOR SEQ ID NO: 3990:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3990:	
	TTTCCAAGAA CATGAGCCTG TACAGTTAAC ACCATGTnTG nTTCTTACTT CTTTATCGTG	60
40	GCTCCAACGT TCTCTGTACA TTTTTTCCCA TTCTCTACTT TTACTTTCTA GGATCGACCA	120
	ATTCCCATTA AATTTTTCTG TTGGCTTAAA GAAATTCAAT CCAAATTTTC CCATATTTAT	180
45	ATCCTCCTAC GTATAAAAAT ACGATGTGTA GATGTCGTGT TTTTAAATAC TTTAAAATGC	240
	CCAAGACTAT TGCTTTAATT AGATTGTACA TTTTTTCACA AACATAAAAT ATTAGGGAAT	300
	CACCTAATTA CTTAAGGNAT TCCCTATCAA TAACGGGATT TCATTGAAAT AATACACAAT	360
50	CAGTANGGTC AGCCTAATGC CAGGCTAAAT CGTTCAAATT	400
	(2) INFORMATION FOR SEQ ID NO: 3991:	
55	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3991:	
	AAAGTGGTTA AATATTATAG AAAACATCAA AGGATGTTAA GAAATACAAT TTATTACCCA	60
10	GCATTTAATA ATGGTGCTAT AGAAGGAATT AATAATAAGA TAAAATTAAT CAAGTGAATT	120
	TCTTTTGGTT ACAGAAATTT CAACAACTTT AAAGCANGTA TAATGATGAT TTTCAGCTTG	180
	TACAAAGGAG AAAAAAAGAA GACAACCAAG CCCAATAATG GACTGGCCGC CTAATAATnn	240
15	GAGCTCTAAA AGTTGTATTT TAAAAATAGT TCTTTAAATT ATATACCCAC CACATTTGGT	300
	GGAGAACCTA AAAAAAAGCA CTTCCCAAAA ATGGAAAGTG CAAGTAGTGA GCCATAGAGG	360
	ATTCGAACCT CTGACCCTCT GATTAAAAGT CAGATGCTCT	400
20	(2) INFORMATION FOR SEQ ID NO: 3992:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3992:	
	AGTGTATGGT TATCAAAGAT TTGATACGAC GGTCATTATT ATTACCGTTA TTGTATTAGT	60
	CATTATTGTC CAAGTGATTC AAACGCTAGG GAATGTTCTA GCTAGATTCA TACGTnGACA	120
35	TTAATGATAT ATAGTGAAGA TTTTGAAAGG AATTGATAGA ATGAAAAGAT TGATTGGGTT	180
	AGTTATCGTA GCACTTGTAT TAATTAGCAG CGTGTGGTGG TAACAATGAT AAAAAAGTAA	240
40	CAATTGGTGT CGCATCAAAT GACACTAAGG CTTGGGGAGA AGGTTAAAAG AATTAGCTAA	300
40	AAAAAGATGG ATnTTGATGT GGGAGATTAA GCACTTCCTC nGGATTACAA TTTACCGGAT	360
	TAAAGCCTTn AAATGGATGG TGATATTGAT AATGAATGCC	400
45	(2) INFORMATION FOR SEQ ID NO: 3993:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 383 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3993:	

	TTATCAGAAG AACAATTCGA CATTTTACTG AATCATCCAT TAATCGATGA AGAAGTAGCC	120
5	AATAGTTTAA TTGAAAATGT CATCGCGCAA GGnGCATTAC CCGTTGGATT ATTACCGAAT	180
5	ATCATTGTGG ACGATAAGGC ATATGTTGTA CCTATGATGG TGGAAGAGCC TTCAGTTGTC	240
	GCTGCAGCTA GTTATGGTGC AAAGCTAGTG AATCAGACTG GCGGATTTAA AACGGTATCT	300
10	TCTGAACGTA TTATGATAGG TCAAATCGTC TTTGATGGCG TTGACGATAC TGAAAAnTnT	360
	CCGCCGGCAT TGAGAGCCTT AGA	383
	(2) INFORMATION FOR SEQ ID NO: 3994:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 366 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 3994:	
	GGTACTATGA TTTCACCGAG TCTCTCGTTG AGACAGTGCC CAAATCGTTA CGCCTTTCGT	60
25	GCGGGTCGGA ACTTACCCGA CAAGGAATTT CGCTACCTTA GGACCGTTAT AGTTACGGCC	120
	GCCTTTACTG GGGCTTCGAT TCGTAGCTTC GCAGnnAAAC CNACTCCTCT TAACCTTCCA	180
20	GCACCGGGCA GGCGTCACCC TGATACATCA CCTTACGGTT TAGCAGAGAC CTGTGTTTTT	240
30	GATAAACAGT CGCTTGGGCC TATTCACTGC GGCTCTTCTG GGCGTTAACC CTGAAAGAGC	300
	ACCCCTTCTC CCGAATTACG GGGTCATTTG CCGATTCCTT AACGAGATTC GCTCGCTCAC	360
35	CTTAGA	366
	(2) INFORMATION FOR SEQ ID NO: 3995:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3995:	
	AGATATTTTA CATGTGAATC AAGTAGGTAT TCATGATAAT TTCTTTGAAT TAGGTGGCCA	60
50	TTCATTAAAA GCAACGTTAT GnTGAATCGG ATAGAGGCAT CTACTGGGAA ACGATTACAA	120
	ATTGGTGATT TATTACAAAA GCCAACTGTA TTTGAACTAG CACAAGCGAT TGCTAAGGTT	180
	CAAGAACAAA ACTATGAAGT GATTCCAGAA ACTATAGTTA AAGATGATTA TGTGCTGAGC	240

	GTACCTTTTT TATGGCGGTT ATMCATCAGA ACTTAATGTA GCTCAMTGCG ACAAGCATG	359
	(2) INFORMATION FOR SEQ ID NO: 3996:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3996:	
15	CAATTATTGG TATTCAACTT AAAGATCATG ATGATTTAAT ACAACTCAAA CAACGTTMAA	60
-	ATCATTTCGA TCCTTCCAAT ATTTATATTA ATGAAAATAA GATGTTATAT TCATTGTTAA	120
	TTTAACACAT AGTAAGAAAA ACAGTCATAA ATTGATTTCT AATTGAAATC ATCTTATGAC	180
20	TGCTTTTTAT TATACTTTAC ATTTCTCGTT TCGTCAGATT CAAACGTTTT CACTTCGCCA	240
	AGCCATCTTT CTTTGTGTTT GCTTTTATTT TGACGTTTTA GACATAAAAA AAGAGACCTT	300
	GCGGTCTCAA ATGCGGCTCA TCGCATCCAC TTTTTGCCTG GGCAACGTTC TACTCTAGGC	360
25	GGAANGTAAG TGGGACTTAC CATCGACGGN TAAGGGGCTT	400
	(2) INFORMATION FOR SEQ ID NO: 3997:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 358 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3997:	
	GATACTACCC TAGCTGTGTT GGCTTTCTAA CCCGCACCAC TTATCGTGGT GGGAGACAGT	60
40	GTCAnGCGGG CAGTTTGACT GGGGCGGTCG CTCCTAAAAG GTAACGGAGG CGCTCAAAGG	120
	TTCCCTCAGA TGGTTGGAAA TCATTCATAG AGTGTAAAGG CATAAGGGAG CTTGACTGCG	180
4.5	AGACCTACAA GTCGAGCAGG GTCGAAAnCG GACTTAGTGA TCCGGTGGTT CCGCATTGAA	240
45	GGGCCATCGC TCAACGGATA AAAGCTACCC CGGGGATAAC AGGCTTATCT CCCCCAAGAG	300
	TTCACACGAC GGGGAGGTTT GGCACCTCGA TGTCGnCTCA TCGCATCCTG GGGCTGTA	358
50	(2) INFORMATION FOR SEQ ID NO: 3998:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3998:	
5	TAGGAGGAAT TTATATGACA TTTGAAAAAG AAACGGTCTT AAAAACATTA TTTCCTGAAG	60
	ATGTACTTAG TATTGCTAAA GGTTTAACAG ACGGTGAAGT CGAATTTTTA CAACAAGTAG	120
	ATTCATTGCT AGAAAGTAAG TACCGTGAAA ATATTAATCA ACATTGGATA GACGCTACTG	180
10	TACCCGAGGA CTATTTTAAA GATCTGGGAG ArTTAAATTA TTTTAACArT CCATTACTTT	240
	ACAAGGATCG TCCAAACGCC AAAATGCCTA GTCAnCTATT TCAGTTTTTC ATGTCTTACC	300
_	TACTCGCGCG ATTTGATATT TCCTTAGCTA CCCTACTCGG TGTTCACCAA GGTTAGGGCA	360
15	TAACACTTTC TATTTCGGAG GTAGCAAAGA CAAATTGCGA	400
	(2) INFORMATION FOR SEQ ID NO: 3999:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 398 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3999:	
	CGCCCCTTAG TGCTGCAcTA ACGCATTAAG CACTCCGSCT GGGGAGTACG ACCGCAAGTG	60
30	AAACTCAAAG GAATTGACGG GGACCCGCAC AAGnGTGGAG CATGTGGTTT AATTCGAGGC	120
	AACGGLAGAA CCTTACCAAA TCTTGACATC CTTTGACAAC TCTAGAGATA GAGCTTTCCC	180
35	CTTCGGGGAC CAAAGTGACA GGTGGTGCAT GGTTGTCGTC AGCTCGTGTC GTGAGATGTT	240
	GGGTTAAGTC CCGCAACGAG CGCAACCCTT AAGCTTAGTT GCCATCATTA AGTTGGGCAC	300
	TCTAAGTTGA CTGCCGGTGA CAAACCCAGG AAGGTTGGGG ATGACGTCAA ATCATCATGC	360
40	CCCTTATGGn TTTGGGTTAC ACAAGTGGTT ACAATGGG	398
	(2) INFORMATION FOR SEQ ID NO: 4000:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4000:	
	TGTTCTTGCA ACGCTATTTA GTATCAGGTT TAACAACAGG TGCGACAAAA GGTTAGTTTG	60

	GACGTTATGA TGACGATTAA AGTTGGAATC ATTGGGTGTG GTGGTATTGC GAATGGCAAG	180
	CACATGCCAA GTTTACAAAA AGTTGAAAAT GTTGAAATGA TCGCATTTTG TGACGTAGAC	240
5	ATTTCGAAAG CAGCGAGTGC GGCAGAAGCA TACGGAACTG ACAATGSCAA AGETTATGAT	300
	GATTACMAAG CATTGTTAAA AGATGACACG ATTGATGTTA TCCATGTTTT GTACCCCCAA	360
	TGGACCCCGC ATTGTGG	377
10	(2) INFORMATION FOR SEQ ID NO: 4001:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4001:	
	TCGGGTTCTC AAATCATCGA ACATAACAAA AGAAGCTAAG CAACATGTAG GCCGTTGTCA	60
	CTTAACTTCT TGTTTTCCG ATGACAGCTT CTATTTAGAG AATGTCATGA TTATTTTATA	120
25	TTCACTTCAA TGTTATCAAT ATTAGTGCCA TCTATGACAT CTGCCATGCG ATTTTCTTGT	180
	AATTTTTTGT GCAATTCAAA CGTGTACTTT CCACCGTTTT TCATTTTAAT AACAATTTTA	240
	CCTGAACCAA CGTTACCGTA CAGATTATTT TTTTCAATAA GTGTTTTCTC AATTTAAAAT	300
30	CAAGTTCTTT CAAGGAAATC TGTTCTTTAG TAATCTTGAA TTCTGAAACA TCATGGGnGA	360
	TTGTACCGTA TnATCTTnCC TAGTAAT	387
35	(2) INFORMATION FOR SEQ ID NO: 4002:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4002:	
45	CTATTACGAT TGCTGCGAAA GAAGGTATTA AAAATATACA AATAGGCATG GCTCACCGTG	60
	GACGTTTAAA CGTTTTAACG CATGTCTTAG AAAAACCGTA CGAAATGATG ATTTCAGAAT	120
50	TTATGCATAC AGATCCAATG AAATTCTTAC CTGAAGATGG TAGCTTGCAG TTAACTGCTG	180
50	GATGGACTGG TGATGTGAAA TATCACTTGG TGGGCATTAA AACTACTGAT TCATACGGTA	240
	CANTICONCOC TATTICONCTIC GCTANCANTO CANGTONCTT GGALATTGTT GCACOTOTTC	300

	TCCATCATAA ANGCAATGNC CATTGTTGAT ACATGGCGAT	400
	(2) INFORMATION FOR SEQ ID NO: 4003:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4003:	
15	AGAAATATAT GCATTTCGGA TATCATGGTA AAGAGAATGG ATTAAGCGGT AAATCACGTG	60
	ATGAAGTGCG AGCGAAATGA AACAAAATTT AGATGTCATG CGAGACGATA ATCAAAGGGA	120
	CGACAGGTGA TGGGGTTGAA AGTGTAACGN GCTACACTGG TCATGATGCT GCTAAACTAC	180
20	GTGATTATAA TGAAACACAT CATGCTTTGT CTGGATATGA AATGATTGAC GCAGCAAAGG	240
	TGCCATTGCA ACAAATGAAG TCAATGCTGC GATGGGTATT ATTTGTGCAC GCCAACAGCT	300
	GGTTCCTCGG GTACCATTCC CGGTGCACTT TTTAAATTAG GAAAAAACAC ATGATTTAAC	360
25	AGAAGAGCAA ATGATTTGAT TTCTTATTCA CTTCAGCATT	400
	(2) INFORMATION FOR SEQ ID NO: 4004:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4004:	
	TGAAATAGAA CCTGAAACCG TGTGCTTACA AGTAGTCAGA GCCCGTTAAT GGGTGATGGC	60
40	GTGCCTTTTG TAGAATGAAC CGGCGAGTTA CGATTTGATG CAAGGTTAAG CAGTAAATGT	120
	GGAGCCGTAG CGAAAGCGAG TCTGAATAGG GCGTTTAGTA TTTGGTCGTA GACCGAAACC	180
	AGGTGATCTA CCCTTGGTCA GGTTGAAGTT CAGGTAACAC TGAATGGAGG ACCGAACCGA	240
45	CTTACGTTGA AAAAGTGAGC GGATGAACTG AGGGTAGCGG AGAAATTCCA ATCGACCTGG	300
	AGGATANTGG TTCTCTCCGA ATAGTTTAGG GCTAGCCTCA AGTGTGATTA TTGAGGTAGA	360
	NACTGTTTGA CGAGGGGCCC TCTCGGGTAC CGAATTCAGG	400
50	(2) INFORMATION FOR SEQ ID NO: 4005:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 415 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4005:	
	ATACTAAGGC GTTATTAGAC GATTAGACAA TGGTGTGATT AAAGGTGCAG CACTTGATAC	60
10	GTATGAATTT GAACGCAAAC TTTTCCCAAG TGATCAAAGG GGCAAAACAC TGAACGATCC	120
	ATTGTTAGAA TCGTTGATTG ACAGGGAAGA TGTCATATTA ACACCACATA TTGCGTTTTA	180
15	TACTGAAGCT GCAGTTAAAA ATCTAATTGT CGATGCATTA GATGCAACAT TAGATGTATT	240
15	GGCAGACTGG AGATACTAGG TTACGAGTAA ATTAAAAATC GAACTGATGA GATAATTTGG	300
	ATTGTTGGGG ATTCTGCATC CAGTTCGATT TTTTTAATTT GGTGTTGGAT GACGTTGnAA	360
20	TGTTGCCTAA TTTAAACGAC ATCGTAAACC nTGGATCCTC CAATGGCGTC CTTnC	415
	(2) INFORMATION FOR SEQ ID NO: 4006:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 444 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4006:	
	CTAACAGAAG CTAGTATAGG AAATCGGTAC TCGTTAAGGC TGATCTGTGA TGGGGAGAAG	60
35	ACATTGTGTC TTCGAGTCGT TGATTTCACA CTGCCGAGAA AAGCCTCTAG ATAGAAAATA	120
	GGTGCCCGTA CCGCAAACCG ACACAGGTAG TCAAGATGAG AATTCTAAGG TGAGCGAGCG	180
	AACTCTCGTT AAGGAACTCG GCAAAATGAC CCCGTAACTT CGGGAGAAGG GGLGCTCTTT	240
40	AGGGTTAACG CCCAGAAGAG CCGCAGTGAA TAGGCCCAAG CGACTGTTTA TCAAAAACAC	300
	AGGTCTCTGC TAAACCCGTA AGTGATGTAT AGGGGCTGAC GCTGCCCGGT GCTGGAAAGT	360
45	TAANGAGAGT GGGTTACTTC TTGCGACTTA NCGAAATCGA GNCCCCAGTA AACGGCGGGC	420
,,,	CGTAACTATA ACnGTCCTAA GGTA	444
	(2) INFORMATION FOR SEQ ID NO: 4007:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55		

	TTTGAACTCT ATCAAAGCAT CAGCAATCAA AACATACGTA TCTTTACAAC AGTAATCATG	60
5	CATTCTATGA TGCTTCTAAC TGAATTAAAG CATCGAACAA TCGGAAGCAT ATTTCTAAAT	120
3	TATTTATTCA TTATAGTCTT AAACATAACA TGACCTAATA TATTACTAAC CTATTAAAAT	180
	AAACCACGCA CATCTAAGTG ATATACGACA ATCACAGCAA TAATAATTGC TTTAGAAAGT	240
10	CGTGCCGAAC TGGAACTTAC AAGTCTAGTT CGAACACAC CTGATGTGAG TGGTTTTCTT	300
	TATTTTAAAC ATGAACAATC AGATAAGTTA CTAGCATTAG CAAATATTAT TAAATCAAGG	360
	GCTTCGnTTC ATAAATTTAA AACATGTTAA ATTAGACGTG	400
15	(2) INFORMATION FOR SEQ ID NO: 4008:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4008:	
	TATACTTGTT TTTACAAACC ACAAAAAGCT CTAAACATTA GTTTAAACCA ATGCTTAGAG	60
	CTTTCTAATT ATTTTATGCT TTAAAAGATA CTGTGTTATC TACGATGACC TTACCGTCTT	120
30	TAATAACTTT TTCTGCGTGA TTGATACCAA AATGATATGG AATATATTCA TGATTTGGTG	180
	CATCCCAAAT TACTAAATTA GCCTTATCAC CTGTGTTAAT TGTACCCGCG TTAATGTCTA	240
35	TTGCTTTAGA GCCATTGACC GTAACAGCAT TCCAAACTTC ATTAGGTGAT AGCTTTAATT	300
	TCAAGGCTGC AATCGCCATA ACAAGTTGTA AGTTGTTTGT GGACACTACT ACCAGGGTTA	360
	TAATCAGTTG GCTAATGCCA TCGGCACCGG TTAATGGTCC	400
40	(2) INFORMATION FOR SEQ ID NO: 4009:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4009:	
50	ACAAACATTG AAATTAGAGG TATATAAAAA ATGCTTCTGC AATAGATGCA ATAAACATGC	60
	AATACAATAT GGAGGCGAAG TAAATGAAAA GTATTACGTT TGAAGAACAT TATGTCATTG	120
55	AAGATATTCA AAAAGAAACG ATGAATGCGA TATCAGCAGA TCCTAAAGGT GTACCGATGA	180

	ATCATGATGA ACGTATCCAA TTTATGAATA ATCAAGACGT TCAAATTCAA GTCTTATCTT	300
	ATGGAAATGG TTCTGCTTCA AATTTGGTTG GTCAGAAAGC CATTGAATTA TGTCCAAAAG	360
5	GCAAATGATC CATTGGGCAA ACTATATTGC ACCATATCCC	400
	(2) INFORMATION FOR SEQ ID NO: 4010:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4010:	
	ACTAGAGAAG GTATGTTACG TGACAATGAA TTACTAAATG GTATTTATTC ATCGAGTTAC	60
20	ATCTATAGTT TATTAAAATC AGAATACGAC CAAAAATGAC AAATTAGACT TACAAAAGAG	120
	TGATGACATT TAAAATGGCA GCGCTCTTTT ATTTAATTTT TGAAAATAAA AGGTTGTTGA	180
or	CAGTATTATT TTATAACAAT ATAATGATTT TGATAATTAT TATCAACTAG ATGATGTTTA	240
25	TGGGAGGATG CTTTAAAACA GCCGTTTTAA GTGTAATGTA TTATTTTAGC GTGTAGGGAT	300
	GCGAAAATAT ATTTATAGGA CACATCTTGG GGATAATNGA TTTCTATAAT GAGGTGTCAA	360
30	ATGGAAAAGT TACCACGCTA TTATTAGCCn CCACGTTATT	400
	(2) INFORMATION FOR SEQ ID NO: 4011:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 494 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4011:	
	Thicaattag aaaatatctt accectenct ctatttatac aatcctceta tteaateent	60
	CGCTTTCCTA GGGTGCCGTC TCAGCATCGG CTTCGACTGG CACTGCTCCC TCAGGAGTCT	120
45	CGCCATTAAT ACTACGTATT AACATGTAAT TTTACTTTGA AATACTTTAA AAAAATAAGA	180
	CACTTIGCCC AACTTACACT ACCAATAAAA ACTTCTGTTA GAATTCCTCA AAATGATATT	
50	TCGCGACATG TTAATGAAAT TGTTGAAACG ATACCTGATA GCAAATTCGA TGAATTCAGA	300
50	CATCATCGTG GCGCAACATC CTATCATCCA AAGATGATGT TAAAAAATCAT CTTATATGCA	
	TATACTCAAT CTGTATTTTC TGGTCGTAGA ATAGAGAAAT TACTTCATGA CAGTATTCGA	360
55	MINOLOGIA CIGINITITE TOGECTION NINGHOMMAI INCITCATON CAGINITEGA	420

	GAATCCNAAT ACTG	494
	(2) INFORMATION FOR SEQ ID NO: 4012:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid	
10	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4012:	
15	TTTCACTTCG CCAAGCCATT TTTCTTTGTG TTTACTTTTT ATTTTGACGT TTTAGACATA	60
	AAAAAAGAGA CCTCACGGTC CAACTTGCCT GGCAACGTTC TACTCTAGCG GAAGTAATTG	120
	GCTACCATCG TCGCTAAAGA CCTTTCTTGA CTTGTGACAA TCGCTTGCTT CTTTCCTCTC	180
20	CTTCGGCTCT CGCTTACTCA TTTAGCTCTA CTAAACTCGT TGCGCTCTTT TCTCGTTTCG	240
	TCAGATTCAA ACGTTTTCAC TTCGCCAAGC CATTTTTCTT TGTGTTTACT TTTTATTTTG	300
25	ACGTTTTAGG CATAAAAAA AGAGACCTTG CGGTCCCAAT GCGGGCTCAT CGCATCCATT	360
20	TTTTGGCCTG GGCAACGTTC TnATnCCAGC GGAAnTnAAT	400
	(2) INFORMATION FOR SEQ ID NO: 4013:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4013:	
	CGAACTGCCG AACCCGAAGA GCGGATTTAC AGTCCGCCGC GTTTACCACT TCGCTACCCC	60
40	TCCAGCTTAT TCATATAATT TAATAATCAA AATGGTGGAG AATGACGGGT TCGAACCGCC	120
	GACCCTCTGC TTGTAAGGCA GATGCTCTCC CAGCTGAGCT AATTCTCCAA AATAATGACT	180
45	CCTACGGGAC TCGAACCCGT GTTACCGCCG TGAAAGGGCG GTGTCTTAAC CGCTTGACCA	240
	AGGAGCCATG GCTCCACAGG TAGGACTCGA ACCTACGACC GATCGGTTAA CAGCCGATAG	300
	CTCTACCACT GAGCTACTGT GGATTAATAT TATGCCTGGC AACGTTCTTA CTCTnAGCGG	360
50	AACGTGAATT CGACTTACCA TCGACGnTAA GGAGCTTnAC	400
	(2) INFORMATION FOR SEQ ID NO: 4014:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4014:	
	ATTAGGACCT CAAGACGATA TTACTAAATT TGAATACTTA AAAAAATCTT CTCAAAATAC	60
10	AGGTACTTCA TTATTGGTAT TCAACTTAAA GATCATGATG ATTTAATACA ACTCAAACAA	120
	CGTGTGAAAT CATTTCGATC CTTCCAATAT TTATATTAAT GAAAATAAGA TGTTATATTC	180
	ATTGTTAATT TAACACATAG TAAGANAAAC AGTCATAAAT TGATTTCTAA TTGAAATCAT	240
15	CTTATGACTG CTTTTACATT ATACTTTACA TTTCTCGTTT CGTCAGATTC AAACGTTTTC	300
	ACTTCGCCAA GCCATCTTTC TTTGTGTTTG CTTTTATTTT GACGTTTTAG ACATAAAAAA	360
22	nGnGACCTGC GGTCTCAATG CGGCTTCATC GCATCCACTT	400
20	(2) INFORMATION FOR SEQ ID NO: 4015:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4015:	
	GAATGAAAAG CTCTAAAAGT TGTATTTTAA AAATAGTTCT TTAAATTATA TACCCACCAC	60
	ATTTGGGGAG GAACCTAAAA AAAAGCACTT CCCAAAAATG GAAAGTGCAA GTAGTGAGCC	120
35	ATAGAGGATT CGAACCTCTG ACCCTCTGGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT	180
	AATGGCTCTG AATGGCTGGG CTAGCTGGAT TCGAACCAAC GAGTGACGGA GNAAAGGTCC	240
40	GTTGCCTTAC CGCTTGGCTA TAGCCCAATA TATAGATGGT GGAGGGGGC AGATTCGAAC	300
	TGCCGAACCC GAGGAGGCGG ATTTACAGTC CGCCGCGTTT AGCCCACTTC GnTACCCCTG	360
	CCAGnTTATT CATATGA	377
45	(2) INFORMATION FOR SEQ ID NO: 4016:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4016:

	ATGACGCACC TGACATCCTC TCGGTTCATA TTCAGGCATA TCCGGACCAC AACTTGGATA	120
-	GTCAGTTTGT TGATTTTCCC AGGTAATCAC ACCATTTTTC ACAAATACTT TCCAAGAACA	180
5	TGAGCCTGTA CAGTTAACAC CATGTGTTGT TTCTTACTTC TTTATCGTGG CTCCAACGTT	240
	CTCTGTACAT TTTTTCCCAT TCTCTACTTT TACTTTCTAG GATCGACCAA TTCCCATTGA	300
10	AATTTTCTG TTGGCTTAAA GAAATCAATC CAAATTTCCC ATATTTATAT CCTCCTACGG	360
	GTGAAAAATA CGGTGTGTAG AnGTCGTGGT TTTTnAAATA	400
	(2) INFORMATION FOR SEQ ID NO: 4017:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4017:	
	CTTTGAGCGC CTCCGTTACC TTTTAGGAGG CGACCGTCCC AGTCAAACTG CCCGnCTGAC	60
25	ACTGNCTCCC ACCACGATAA GGGCGTGGGT TAGAAAGCCA ACACAGCTAG GGTAGTATCC	120
	CACCAGCGNC TCCACGTAAG CTAGCGCTCA CGTTTCAAAG GCTCCTACCT ATCCTGTACA	180
	AGCTGTGCCG AATTTCAATA TCAGGCTACA GTAAAGCTCC ACGGGGTCTT TCCGTCCTGT	240
30	CGCGGGTAAC CTGCATCTTC ACAGGTACTA TGATTTCACC GAGTCTCTCG TTGAGACAGT	300
	GCCCAAATCG TTACGTCTTT CGTTGCGGGT CGGAACTTAC CCGACAAGGA ATTTCGTTAC	360
35	CTTAGGACCT TATAGTTACG GCCGnCTTTA ATTGGGGTTT	400
	(2) INFORMATION FOR SEQ ID NO: 4018:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4018:	
	TGTCGATTTA AGAGGCATGC TACGAGGAAT GATTGGTCAT CCGAAAAAAG ATCGAGCGGC	60
50	ATATGAGGCA CGCCAAGCGA TTCCAAACAT TAATGAAAAC AGTCCGCCAA TATTAATTGT	120
	ACATGGAGGG AAAGACCAGC AAGTTGGTAT TCATCATGCG TATTATTTAG CGGACCAACT	180
55	AGAGTTAAAA GGTGCCACGC ATGNAAACAT TTTATCAAAT GGCAGAAGGA CATGTGCCAA	240

	CGCATAGCTT AGTTATGGAA ACGTGGTGTG CGCATGGGGA ACTATTCAAG CTTTGGAGGA	360
	TGTGGTACTT ACATGCGTTG GAATTAGGGG TCCGGTTACT	400
5	(2) INFORMATION FOR SEQ ID NO: 4019:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4019:	
	GGAGGTTTGG CACCTCGATG TCGGCTCATC GCATCCTGGG GCTGTAGTCG GTCCCAAGGG	60
	TTGGGCTGTT CGCCCATTAA AGCGGTACCA AGCTGGGTTC AGAACGTCGT GAGACAGTTC	120
20	GGTCCCTATC CGTCGTGGGC GTAGGAAATT TGAGAGGAGC TGTCCTTAGT ACGAGAGGAC	180
	CGGGATGGAC ATACCTCTGG TGTACCAGTT GTCGTGCCAA CGGCATTAGC TGGGTAGCTA	240
	TGTGTGGACG GGATAAGTGC TTGAAACATC TTAAGCATGA AGCCCCCCTC CAAGATGGAG	300
25	ATTTCCCAAC TTCGGTTTnT AAGATCCCTC CAAAGnTGAT GGAGGTTTAA TAGGTTTCGA	360
	GGTGGGAAGC AnGGTGGACA GTTGGGAGCT GGACGANTAC	400
30	(2) INFORMATION FOR SEQ ID NO: 4020:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4020:	
40	GAAGATGTTC GTCATTCTTC AAATAAACCA GAGCTAGTTG CAATTGCTGA ACCAGCATCT	60
	AATAGACCGA AAAAGAGAAG TAGACGTGCG GCACCGGCAG ATCCTAATGC AACTCCAGCA	120
	GATCCAGCGG CTGCAGCGGT AGGAAACGGT GGTGCACCAG TTGCAATTAC AGCGCCATAT	180
45	ACGCCAACAA CTGATCCTAA TGCCAATAAT GCAGGACAAA ATGCACCTAA CCGAnTnTTG	240
	TCATTTTGAT GACAATGGTA TTAGACCAAG TACCAACCGT TCTGTGCCAA CAGTTAAACG	300
50	TTTGTTAATA ACTTGCCGGG CTTCACACTA ATCAATGGTG GGCAAAGTAN GGGTGTTTAG	360
	TCATGCAATG GGTAAGAACG AGCATGTTTG GATTTCAGGG	400
	(2) INFORMATION FOR SEQ ID NO: 4021:	

(A) LENGTH: 396 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: double

5	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4021:	
10	CTAAGTCATG AATGGGAAGT GGCTCGCGTT GAAGAAGGAC TGACTACTGC TGCCACACAG	60
	CTTGCTAAAC AATTATCAGA ATTAGATTTA GCGTCACATC CTTTTGTGAT GTCAGAGCAG	120
	TTTGCAAGTn TAAAAGATCG TCCATTTCAT CCATTAGCTA AAGAAAAAAG AGGATTAAGA	180
15	GAAGCGGATT ATCAAGTGTA TCAAGCTGAA TTAAATCAAT CATTTCCTTT AATGGTTGCA	240
	GCAGTTAAAA AGACACATAT GATTCATGGC GATACTGCAA ATATCGATGA ATTAGAAAAT	300
	TTGACAGTAC CTATAAAAGA ACAAGCGACA GACATGTTAA AATGATCCAA GGTTATCAnT	360
20	AGATGACTAT GTACCATTCC GGTACnTCCT GGCCAT	396
	(2) INFORMATION FOR SEQ ID NO: 4022:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 376 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4022:	
	GATTGGTCTG NAAGAAGAAT TAATGGAAAA GCTACGTGAA AAATTAGAAG CGGCATTTGA	60
35	TACGATTTAC GAATTGTCTC AAAACCGAAA AATAGATATG AGACTTGCAG CATATATCAT	120
	AGGTATTAAA CGTACAGCAG AAGCAGCTAG ATATCGTGGT TGGGCATAAT TAATTATCAT	180
40	ATGTGATTTA ACGAGCTTGG GACAGAAAAC AAAGCCCTAA GCTCGTTAAT TTTATTTTAG	240
10	CAGTAGTTGA CTGTAAAACA ATGCCCGTGT AAACGCTCTT TTCAAAAATA GTCGGGGCCC	300
	CAACACAGAG GCTGGTGGGA AAGTCAGCCT ACAATAGNGT GCAAGTTGGC NGGGGCCCCA	360
45	ACACAGAGGC TGGCGG	376
	(2) INFORMATION FOR SEQ ID NO: 4023:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 381 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPCLOGY: linear</li></ul>	

2791

	CAAATGGTGG AGCCATAGGA GGATTCGAAC CTCTGACCCT CTGATTAAAA GTCAGATGCT	60
	CTACCAACTG AGCTAATGGC TCTTCCATGG nGCnGGCCAG AGGACTTGAA CCCCCAACCT	120
5	ACTGATTACA AGTCAGTTGC TCTACCAATT GAGCTAGGCC GGCAATATGT AAGAATAAAT	180
	GGTGGAGAGT GACGGGTTCG AACCGCCGAC CCTCTGCTTG TAAGGCAGAT GCTCTCCCAG	240
10	CTGAGCTAAT TCTCCGATTT AAAACTGCCT GGCAACGTTC TACTCTAGCG GAAnTAATTC	300
. •	GGACTACCAT CGACGCTAAA GGAGCTTAAC TTCTGTGTTC CGGCATGGGA ACAGGTGTGA	360
	CTCCTTGCTA TATCACCAGA C	381
15	(2) INFORMATION FOR SEQ ID NO: 4024:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4024:	
25	GCCCCTTATG ATTTGGGCTA CACACGTGCT ACAATGGACA ATACAAAGGG CAGCGAAACC	60
	GCGAGTCGAA GCAAATCCCA TAAAGTTGTT CTCAGTTCGG ATTGTAGTCT GCAACTCGAC	120
30	TACATGAAGC TGGAATCGCT AGTAATCGTA GATCAGCATG CTACGGTGGA ATACGTTCCC	180
30	GGGTCTTGTA CACACCGCCC GTCACACCAC GAGAGTTTGT AACACCCGAA GCCGGTGGGA	240
	GTAACCTTTT AAGGAGCTAG CCGTCGAAGG TGGGGACAAA TGGATTGGGG TGAAGTCGTG	300
35	AACAAGGTAG CCGTGATCGG AAGGTGCGGC TGGGATCACC TCCTTTGCTG AAGGATGATG	360
	ATTTCGGnAA CATCNTTCTT CCAGAAGATG CCGGTAATAA	400
	(2) INFORMATION FOR SEQ ID NO: 4025:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4025:	
50	CTTAGAAGTG AGAATGCCGG TGTGAGTAGC GAAAGACGGG TGAGAATCCC GTCCACCGAT	60
50	TGCTAAGGTT TCCAGAGGAA GGCTCGTCCG CTCTGGGTTA GTCGGGTCCT AAGCTGAGGC	120
	CGACANGTAN GGCGATGGAT AACAGGTTGA TATTCCTGTA CCACCTATAA TCGTTTTAAT	180

	GCTGAGTATT AGGCAAATCC GGTACTCGTT AAGGCTGAGC TGTGATGGGG AGAAGACATT	300
	GTGTCTTCGA GTCGTTGATT TCACACTGCC GAGAAAAGCC TCTAGATAGA AA	352
5	(2) INFORMATION FOR SEQ ID NO: 4026:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 370 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4026:	
15	TGGGGCTCTT CCCGTTTCGC TCGCCGCTAC TAAGGGAATC GAATTTTCTT TCTCTTCCTC	60
	CGGGTACTAA GATGTTTCAG TTCTCCGGGT GTGCCTTCTG ATATGCTATG TATTCACATA	120
20	TCGATAACAT GACATAACTC ATGCTGGGTT TCCCCATTCG GAAATCTCTG GATCAAAGCT	180
	TACTTACAGC TCCCCAAAGC ATATCGTCGT TAGTAACGTC CTTCATCGGC TTCTAGTGCC	240
	AAGGCATCAC CGTGCGCCCT TAATAACTTA ATCTATGTTT CCACCATTTT TATAAGTCAA	300
25	Angttaacat gaagttaggt tettttataa aaggattaaa ngggttatta atettgtgng	360
	TGTTCTTTCG	370
	(2) INFORMATION FOR SEQ ID NO: 4027:	
<i>30 35</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4027:	
	TCATGTTTCG CTTGGTTTAA TGCTGTTAAT GCGTTATCGA CACGATGTTT TTCATCTGAA	60
40	ATTTGTTGTG CAGTTGCATC GCCATTGTCA ATAACACGTT GAGCTGCAGT TATTTCAGTT	120
	TCTGCTTCCG CTTCTTCGCA TTATAGTTAT CAATACTTTG TTGCGTCATA CCAGCAGTTG	180
45	ATGGTACTTG GTTCACAGAA CTTTGTAAGT TATTTTTAGA CGTTACTAAT TGGCTATTAT	240
	CTTCTTTATT TTGAAGTAAT GCTTTACTTG GATCAATCTT AGTTTGTGCG CACGAACTTT	300
	AGTTAGTGCG TGCAGAAACT TGTTGTGGTG TTGCACGCTC ATTNATGAAG CACTGTTGGT	360
50	GCCTCCGTTT TCGCATAnTG GATTGTTGTT GCGCATGAGG	400
	(2) INFORMATION FOR SEQ ID NO: 4028:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4028:	
10	CTCATCGCAT CCATTTTTTG CCTGGCAACG TTCTACTCTA GCGGAACGTA AGTTGGCTAC	60
	CATCGTCGCT AAAGACCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC CTCTCCTTCG	120
	GCTCTCGCTT ACTCATTTAG CTCTACTAAA CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA	180
15	TTCAAACGTT TTCACTTCGC CAAGCCATTT TTCTTTGTGT TTACTTTTTA TTTTGACGTT	240
	TTAGACATAA AAAAAAGAGA CCTTGCGGTC TCAATGCGGC TCATCGCATC CATTTTTTGC	300
20	CTGGGCAACG TTCTACTCTA GCGGGAACGN AAGTTGGGCT TACCATCGAC GCTAAGAACC	360
20	TTTCTTGGAC TTGGTGGACA AACGGNGTGG CTGCTTTTCC	400
	(2) INFORMATION FOR SEQ ID NO: 4029:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4029:	
	AGGACTTGAA CCCCCAACCT ACTGATTACA AGTCAGTTGC TCTACCAATT GAGCTAGGCC	60
35	GGCAATATGT AAGAATAAAT GGTGGAGAAT GACGGGTTCG AACCGCCGAC CCTCTGCTTG	120
	TAAGGCAGAT GCTCTCCCAG CTGAGCTAAT TCTCCGATTT AAAACTGCCT GGCAACGTTC	180
40	TACTCTAGCG GAANTAATTC GGACTACCAT CGACGCTAAG GAGCTTAACT TCTGTGTTCG	240
40	GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGAATG TAATTTGATA	300
	CATTCAAAAC TAGATAGTnA AGTGAAAAGT GATTTTGGnT TCGCAAAACC ATTTGATTTT	360
45	GAITGAAGTC CTTCGATCGA TTGAGTGATT CGTGCAGCTn	400
	(2) INFORMATION FOR SEQ ID NO: 4030:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 390 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	GATGATAAAT CATGTTTTTC ATACCAAGTC GCTGCCGGCA AAACAATGTC AGAATATAAC	60
	GGTGTTGCCG TCATTCTGAA GTCTAAAGAG ACCACTAAAT CTAACTTACC TGTTGTTTCT	120
5	TCACGCCACG TAATTTCTTC TGGCTTTTCA TCTTCATTTG GTGTAGCTAA TAACCCTGAT	180
	TTTGTGCCAA GTAAATGCTT CATAAAGTAT TCTTGACCTT TTGCAGAACT TGAAATTAAG	240
10	TTTGAACGCC ATATAAATAA TGATTTTGGA TGATTCTTTT CAAATCAGGA TCTTCTATTG	300
	CAAATTGTGG TTTGTnTTGG ATTTCACnTC ATCAATTGCA CGTTGCAAAA TCGCTTCATG	360
	TGAATCTATA CCCTGCATCT TGTAGCnTCC	390
15	(2) INFORMATION FOR SEQ ID NO: 4031:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4031:	
25	TGGTTCGAAT CCAGCTAGCC CAGTTATTGG CGGCATAGCA AGTGGTAAGG CAGAGGTCTG	60
	CAAAACCTTT ATCACCGGTT CAAATCCGGT TGCCGCCTCC AGGTTTATGC GGGAGTAGTT	120
30	CAACTTTTAG AACACGTTCC TTCCCGGAAn GAGGTATAGG TGCAAATCCT ATCTTCCGCT	180
	CCATAATTTA ATAATAATGC GGGAGTATTT CAACTCTTAG AATACATTCC TTCCTGGAAT	240
	GAGGTATAGG TGTAAATCCT ATCTTCCGCT CCATAATTTA ATATTTGCGG GGAGTAGTTC	300
35	CAACTTTTAG AACACGTTCC TTCCCGGGAA GGAGGTATAN GTGTATCCTA TCTTCCGCNC	360
	CATAATGCCT TCCAAAGGGG AATTTTTTGG TTTnACCATT	400
40	(2) INFORMATION FOR SEQ ID NO: 4032:  (i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid	
45	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4032:	
50	GTATCGATGA GTTTCTTCGG TGCGTCTTCG ACAGCCATTT TGACTTCGAC AAAATGCATC	60
	ACATCGGGAT GACCATTAAT TGCATTAAAC GTGTCTTGTA AATCTTTTGA TGATTCAACG	120
	TCATGAATTT CAACATTTTT ACCACCAAAT ACAGCTGGTA AAGCTTTATA ATCCCACATG	180

	TTATTAATCA CCAATAATAC CGGGTTAATA TGCTGTCTAA TCATAGTTGG AAATAGCTTG	300
	AACAGTTAGT TGGCCATGAG CCATCACCCA TTTAATAATA AGTTACGACG GATCTTTGGT	360
5	CTGCCAATTG GGGGAncncA ATGTTGCAGG GnAATGGTAT	400
	(2) INFORMATION FOR SEQ ID NO: 4033:	
	(i) SEQUENCE CHARACTERISTICS:	
10	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4033:	
	CACGACGTTC TGAACCCAGC TCGCGTACCG CTTTAATGGG CGAACAGCCC AACCCTTgGG	60
20	ACCGACTACA GCCCCCAGGA TGCGATGAGC CGACATCGAG GTGCCAAACL CCCCGTCGAT	120
	GTGAACTCTT GGGGGAGATA AGCCTGTTAT CCCCGGGGTA GCTTTTATCC GTTGAGCGAT	180
	GGCCCTTCCA TGCGGAACCA CCGGATCACT AAGTCCGTCT TTCGACCCTG CTCGACTTGT	240
25	AGGTCTCGCA GTCAAGCTCC CTTATGCCTT TACACTCTAT GAATGATTCC AACCATTCTG	300
	AGGGAACTTT GAAGCGCTCC GTACCTTTTA AGANGGCGAC CGGCCCAGTC AAACTGGCCG	360
30	CTGACACTGT CTTCCAACAC GATAAGTGGT GCGGGTTAGA	400
	(2) INFORMATION FOR SEQ ID NO: 4034:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4034:	
	AATTCCATGT GTACGGTTGA AATGCGCAGA GATATGGAGG AACACCAGTG nCGAAGCGAC	60
	TTTCTGGTCT GTAACTGACG CTGATGTGCG AAACGTGGGG ATCAAACAGG ATTAGATACC	120
45	CTGGTAGTCC ACGCCGTAAA CGATGAGTGC TAAGTGTTAG GGGGTTTCCG CCCCTTAGTG	180
	CTGCAGCTAA CGCATTAAGC ACTCCGCCTG GGGAGTACGA CCGCAAGTTG GAAACTCAAA	240
50	GGAATTGACG GGGACCCGCA CAAGCGTGGn AGCATGTGGT TTAnTTCGAA CAACGCAGAG	300
	AACCTTACCA AATCTTGACA TCCTTTGACA ACTCTAGAGA TAAAGCCTCC CCTTCGGGGA	360
	CAAATGACAG TGGTGCAnGT TGTCCTCACT CGTGTCGTGA	400

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4035:	
70	TTCGCTTTGC CCGTCTGTCA CATTACTGTA AAATTCTATA AATAGAATTT TTGATGACGG	60
	GTCCCTTCCT AGGGTGCCGT CTCAGCCACC CCAACCGGCA CATTGTTGTA AGCTGACTAT	120
15	ATGTCACTTC TGTGTTGGGG CCCCTGTCTT CGACTGGCAC TGCTCCCTCA GGAGTCTCGC	180
	CATTAATACT ACGTATTAAC ATGTAATTTT ACTTTGAAAT ACATTAAAGC CCAAATTAAT	240
	CAAAAGCTTT CTGAACCAGA AACGAAAAAA ATCTATAGTC ATAGAAAAAT TTATGTAGAG	300
20	CCTGTTTTTG GATTTATGAA GGCTATTTGG GGTTCACTCG AATGTCAGTT CGAGGAATAA	360
	ThAAGThAAC GAGAGCCAGG TTTGTAATTA TGGCACThAT	400
25	(2) INFORMATION FOR SEQ ID NO: 4036:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
30	(D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4036:	
35	TAAATGTTGA AAAAGCACGA TTAGATAGAA TTTTGAATAA CAATGAAATT CGTCAAATGA	60
	TCACAGCATT TGGTACAGGA ATCGGTGGCG ACTTTGATCT AGCGAAAGCA AGATATCACA	120
10	AAATCGTCAT TATGACTGAT GCCGATGTGG ATGGAGCGCA TATTAGAACA TTGTTATTAA	180
40	CATTCTTCTA TCGATTTATG AGACCGTTAA TTGAAGCAGG CTATGTGTAT ATTGCACAGC	240
	CACCGTTGTA TAAACTGACA CAAGGTAAAC AAAAGTATTA TGTATACAAT GATAGGGGAC	300
45	TTGATAAACT TAAATCTGAA TTGAATCCAA CACCAAAATG GCTATTGCAC GTACAAAGGC	360
	TTGGAGAATG AATGCAGTCC ATTTGGGAAC ACATGACCTG	400
	(2) INFORMATION FOR SEQ ID NO: 4037:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 381 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4037:	
	TCGTCGCTAA AGACCTTTCT TGACTTGTGA CAATCGCTTG CTTCTTTCCT CTCCTTCGGC	60
5	TCTCGCTTAC TCATTTAGCT CTACTAAACT CGTTGCGCTC TTTTCTCGTT TCGTCAGATT	120
	CAAACGTTTT CACTTCGCCA AGCCATTTTT CTTTGTGTTT ACTTTTATT TTGACGTTTT	180
	AGACATAAAA AAAAGAGACC TTGCGGTCTC AATGCGGCTC ATCGCATCCA TTTTTTGCCT	240
10	GGCAACGTTC TACTCTAGCG GAANTAAATT GGGCTACCAT CGACGCTAAG AACCTTTCTT	300
	GACTTGTGAC AATCGCTTGC TTCTTTCCTC TTCTTCGGCT CTCGCTTACn CATTTAGCTC	360
15	TACNAAACTC GTTGCGCTCT T	381
	(2) INFORMATION FOR SEQ ID NO: 4038:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4038:	
	CTGTTTGTCA TACTTCATAA ATCCTTTAAA TTCACCCATC GTATCTCCCC CTTTCCTTAA	60
30	TACACAACGG CTGGTTTATG TTTAGCATCG ATTGTTTTAC TGTCATCGTA AAATGCAGCT	120
	AACATCGCTT CATCTTCATT GTCATGTAAT GATTTGTGCA AATGAATTTT TTGCATCATT	180
	AATTGATAAT CTTTAGGAAT AACTTTAACG ACGACATCTT CAATGCGATC AAAATGTTTT	240
35	AACACATGAA TCGCTCTCGT ACTATTCGTG TGTGACACAT GTnCTTCCAG CATTTGCTTA	300
	ATGAATGCTT TTnCTTCTTG GTGTTTAATC TTTGTAAACG AAAGCGTATC TAGTGATANG	360
	(2) INFORMATION FOR SEQ ID NO: 4039:	
40 45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4039:	
50	AGTGCGAACC CATAACCTCT TGATCCGTAG TCAAACGCTC TATCCAATTG AGCTACGGGC	60
	GCATATGTTT TTATTGAAAA TGGTGCCGAG GACCGGAATC GAACCGGTAG TGAnTGCACT	120
	CACCGCAGAT TTTAAGTCCT GTGCGTCTGC CAGTTCCGCC ACCCCGGCAC TATAAAAATG	180

	GAACTACTTC TGCATATGCG GGTGAAGGGA GTCGAACCCC CACGCCGTAA GCTAAGGATC	300
	CTAAGTCTAG TGCGTCTGCC AATTCCGCCA CACCCGCAAA TGGTGAGCCA TAGAGGATTC	360
5	GAACCTCTGG ACCCTCTGGA TTAAAAAGTC AGATGCTCTA	400
	(2) INFORMATION FOR SEQ ID NO: 4040:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 378 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4040:	
	CTTTCTTGAC TTGTGACAAT CGCTTGCTTC TTTCCTCTCC TTCGGCTCTC GCTTACTCAT	60
20	TTAGCTCTAC TAAACTCGTT GCGCTCTTTT CTCGTTTCGT CAGATTCAAA CGTTTTCACT	120
	TCGCCAAGCC ATTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAAG	180
	AGACCTCACG GTCTCAACTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT AAGTTGGCTA	240
25	CCATCGTCGC TAAAGACCTT TCTTGACTTG TGACAATCGC TTGCTTCTTT CCTCTCCTTC	300
	GGCTCTCGCn TACTCATTTA GCTCnACTAA ACTCGTTGCG CTCTTGTTCT CGTTTCGGGC	360
30	AGATTCAAAC GnTTGTCA	378
	(2) INFORMATION FOR SEQ ID NO: 4041:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4041:	
	GTACCTTAAC AATATCTCGA AATGGACGAA CTAAATTATG AACCGCATGA AAGGATACTT	60
	GCGAATCATT TGAGCATGCT TGAATCATAA TATCACCATC GCTGTAATCG TCTATTAACT	120
45	GATCATTCGG AAAATGCGGT AAATCTTTAA AGGCATCGGG AATTTTACTA GATAACCCAA	180
	TTTTCTTCAT CAAAGACTTA CTAATCCCAA AGGTAATCGT TAACTTGCTT GCACCTAATC	240
	CTATCGATTC ACCGGTATCT ACTGGTGGGC ATTAAAGGAT TGTTACTCGG GCTTGGCCAA	300
50		
	CTGTATCACC ATCCATCATA CGATTCAGCC ATAACGGTCC ACTTTTTTAA ACATTGGCTT	360 400
55	TATTGGCACC CNAACCTTTG GACTTCNAAT CTAACGGCCA	400

(i) SEQUENCE CHARACTERISTICS:

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4042:	
10	GACTTGCAAA CGTTGTGATG ACGGTCAAGA AAACTGGTAA CACACCAGAC GGACGTAAAG	60
	CTGGCGAACC ATTTGCTCCA GGTGCAAACC CAATGCATGG CCGTGACCAA AAAGGTGCAT	120
15	TATCTTCATT AAGTTCTGTA GCTAAGATCC CTTACGATTG CTGTAAAGAT GGTATTTCAA	180
	ATACATTCAG TATCGTACCA AAATCATTAG GTAAAGAACC AGAAGATCAA AACCGTAACT	240
	TAACTAGTAT GTTAGATGGT TACGCAATGC AATGTGGTCA CCACTTAAAT ATTAACGTAT	300
20	TTAACCGTGA AACATTAATA GATGCAATGG AACATCCAGA AGGAATATCC ACAGTTAACA	360
	ATCCGTGTAT CTGGTTACGC TGTTAACTTC ATTAAATTAA	400
25	(2) INFORMATION FOR SEQ ID NO: 4043:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
30	(D) TOPOLOGY: linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4043:	
35	CTATTTTATC TAAAGTTAAA CCTGACCCAC CTAGAATTGA CGCAAACTCT GTGACATATA	60
	AAGCAGGTCT TACAAACCAA GARATTAAAG TTAATAACGT ATTAAATAAC TCGTCAGTAA	120
40	AATTATTTAA AGCAGATAAT ACACCATTAA ATGTCACAAA TATTACTCAT GGTAGCGGTT	180
70	TTAGTTCGGT TGTGACAGTA AGTGACGCGT TACCAAATGG CGGAATTAAA GCAAAATCTT	240
	CAATTTCAAT GAACAATGTG ACGTATACGA CGCAAGACGA ACATGGTCAA GTTGTTACAG	300
45	TAACAAGAAA TGAATCTGTT GATTCAAATG ACAGTGCACA GTGAACAGTG GACACCACAA	360
	TTGACAAGCC AACTACTGAA GGCGCnGTGn TTATTAAAAG	400
	(2) INFORMATION FOR SEQ ID NO: 4044:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 375 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4044:	
	AAAATGGCTT GATTTGAAAA ACGACCAGCA TGCGCTACTG GNATAATAGC GAGGCTACCA	60
5	TGTTGTTTCA TCGTAGnCGC ATGTTAGTTA ATCCAGGGAT ACAAGCATCA TGATCAATAT	120
	TAAAGCCATA TTCAAACAAT TGACCATAAG GTTCAATGTA AGCAGCGCCG GTGCACTTGC	180
10	ATTCCAGCTG AATTAGAGCG ACGTGCAGCA TAAGCCAAGT CTTCTTTTGT AATATAGCCT	240
	TCTTTTGTTG ATGTGTTTAC GGTCCATTGG GTGGATAATA CAAAGCGATT CGAAATTTTG	300
	ATGCCATTAG GTAAGTGGAT TGATTGTAAA AGTGGTTTGT ATCGGTACAT ACTATGATTC	360
15	CnTTTCCATT GCAAT	375
	(2) INFORMATION FOR SEQ ID NO: 4045:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4045:	
	GTTCCAATGA AGATAGCTAG AAATGATATC CAAAACACAT GATGCATCAC TGGTGATGCT	60
30	CGACTAATTG TATTCCATGA TGCATTAATA ATAATGACCA ATACACATAA AATAAGCAGC	120
	CATTTATCGT TTATTTTAAA AATATAATGC AGCAAAAATC CCAAAATGAT TAATTGCACA	180
	ACTGCTCGTA ATGTCGCAAC AATTAAATCT TTAATAATAT GTAAACCTTC TTTATATGAA	240
35	ATGATAATCG GAATGACTAA AAGCAATGCC GTCAATCCAA GTGCCGTATT ACTCATGTnG	300
	ATTCAACTCC TCTGTATTAG AAATTTGACC ATCAACAATT GTTATACGCT TTTTGnAAGT	360
40	GGTCGCATAC TTTGGGGCAT CGCTGTGGGG TAGGGGGGnCn	400
	(2) INFORMATION FOR SEQ ID NO: 4046:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 375 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4046:	
	CGAGTCTGAG TCGCTGTCTG AATCTGAATC GCTGTCTGAG TCCGAATCGC TATCTGAATC	60
	TGAGTCGCTG TCTGAGTCTG AATCGCTATC TGAATCTGAG TCGCTATCTG AGTCTGAGTC	120

	TGAGTCTGAG TCGCTATCTG AGTCTGAGTC GCTGTCTGAA TCTGGAGTCG CTGTCTGAAT	240
	CTGGAATCGC TGTCTGGAGT CTGAATCGCT ATCTGAGTCT GGAATCGCTA TCTGAGTCTG	300
5	AATCACTGGT CTGGAGTCCG AGTCACTGTC TGAATCTGAC TGCACTnACn GGATTCTGAG	360
	TCGCTAACng GAATC	375
10	(2) INFORMATION FOR SEQ ID NO: 4047:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4047:	
20	ATGGGTAAAA AGGCATTAGA GTCAATCATT GATAACGCTG ATGAAACAAC TCAAGAGCGT	60
	TTACGTTCAG GATATGAAGA TGCTGTAGAT TATAACCGTT ATGTCGGTAA TATTTATACT	120
.25	GGATCATTAT ATTTAAGCCT AATATCATTA CTTGAAAATC GAGATTTACA AGCTGGTGAA	180
	ACAATCGGTT TATTCAGTTA TGGCTCAGGT TCAGTTGGTG AATTTTATAG TGCGACATTA	240
	GTTGAAGGCT ACAAAGATCA TTTAGATCAA GCTGCACATA AAGCATTATT AAATAACCGT	300
.30	ACTGANGTAT CTGTTGGATG GCATATGGAA ACATTCTTCC AAACGTTTTG GATGACGGTG	360
	GAATTTGACG GNGGACCAAG ATGCNTGTTC CAGGAGGTCC	400
	(2) INFORMATION FOR SEQ ID NO: 4048:	
<i>35 40</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4048:	
45	CAAACCATCT GACATAATAT ACACTTGGAT GTTAGATAAG GGTTTGCCAA TTGGAATCGT	60
	CTCAGGTATC AATCACCACA ATGATGTGAC CAATACGATG TGATGACTGT TGACTCAGAT	120
	GGTCCATAGG CATTGAAATA CGTGCCACAA TGCTTCTCAA TATATTTAAC AAAGGATGCC	180
50	GTACTAGTTG CCCCGCCTGT AATCAACTTT TCAATATAAA AGTCTTCCAT AACACTACAC	240
	ATCTGTAACG GAATCGACGC AACCGTCACA CGATGCTTAT TAATGAGTTG TTGTAACTGT	300
55	TCTGGATTAA CACGnTCCTC TCTATCTGGA nTCACAAGCG TATGACCATT AACAAACAAC	360

(2) INFORMATION FOR SEQ ID NO: 4049:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4049:	
	TCTGCATGTT CTCGAGATCC ACCAAATGTT AAATGGGTAT GTGCATCTAC TAATGCTGGG	
		60
15	GACACTACCT TCCCACTAGC ATCAATCGTC TCAGTCGCAT CGTAGTCATC TGTATGTGTT	120
	CCAGCATATA CAATTTTGGC CATCTTTAAT GACAACTGTA CCATTTTTCA CAACATTTGA	180
	ATTCATCTAA TTCCTTACCC TTCAAAGGTT TATCTGTTGA TCTCGGTAAA ATTAATTGCT	240
20	GCTATATGAT TANTATTAAA TCATTCATTA CTATCACCTG CTTATCAATC ATGGAATAGA	300
	ATACCTTTTC nTTAGCGTTT GAATAGCGAG TCATAGCCAG CATCAACATG TCGGGCAACA	360
or.	CCCATACCGG GGTCATCGTC CAATACACGT TCCAAnCTnC	400
25	(2) INFORMATION FOR SEQ ID NO: 4050:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4050:	
	ATCACCCATG TTCTGACTCC CAAGTTAAAT TAATTGGCAT TCGGAGTTTG TCTGAATTCG	60
	GTAACCCGAG AGGGGCCCCT CGTCCAAACA GTGCTCTACC TCCAATAATC ATCACTTGAG	120
40	GCTAGCCCTA AAGCTATTTC GGAGAGAACC AGCTATTTCC AGGTTCGATT GGAATTTCTC	180
	CGCTACCCTC AGTTCATCCG CTCACTTTTC AACGTAAGTC GGTTCGGTCC TCCATTCAGT	240
45	GTTACCTGAA CTTCAACCTG ACCAAGGGTA GATCACCTGG TTTCGGGTCT ACGACAAATA	300
	CTAAACGCCT ATTCAGCTCG nTTCGTACGG CTCCACATTT ACTGCTAAnC TTGCATCAAT	360
	CGTACTCGCG GTCAATCTAC AAAAGnACGC ATCACCAnTA	400
50	(2) INFORMATION FOR SEQ ID NO: 4051:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4051:	
5	AGTGAAAATG ACTTTATCGG GCTGTTCAGC GATATGGATT TGAGTTCAAC GCGACTAGGT	60
	AACAATGTCA AAGAACGTAC TGCTTTAATC TCTAAAGTCA TGGTTAATCT TGACGACTTA	120
10	CCATTCGTTC ACAGTGACAT GGAAATTGAT ATGTTAGGTG ATGCATATGA ATTCCTAATC	180
	GGGCGCTTTG CGGCGACAGC GGGTAAAAAA GCAGGCGAGT TCTATACACC ACAACAAGTA	240
	TCTAAGATAC TGGCGAAGTT GTCACAGACG GTAAAGATnA ATTACGTCAC GTGTAACGAC	300
15	CCAACATGTG GGnTCCGGTT CATTGTGGTA ACGTGTTGGT AAAGAACGCA AGTGTATCGT	360
	TAATTCGGAC nAAGAACGTA ACAATACTAC nTACGACTTA	400
	(2) INFORMATION FOR SEQ ID NO: 4052:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 390 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4052:	
30	TCCTACAACC CCAACAAGCA AGCTTGTGGT GTTGGGCTCT TCCCGTTTCG CTCGCCGCTA	60
	CTAAGGGAAT CGAATTTTCT TTCTCTTCCT CCGGGTACTA AGATGTTTCA GTTCTCCGGG	120
	TGTGCCTTCT GATATGCTAT GTATTCACAT ATCGATAACA TGACATAACT CATGCTGGGT	180
35	TTCCCCATTC GGAAATCTCT GGATCAAAGC TTACTTACAG CTCCCCAAAG CATATCGTCG	240
	TTAGTAACGT CCTTCATCGG CTTCTAGTGC CAAGGCATCC ACCGTGCGGC CCTTAATAAC	300
40	TTAATCHATG TTTTCCACCA TTTTTTATAA GTHCAAAGGC TTCACATACG GCTTCGGTTT	360
70	TTCATTAATT TTAAATGGCn CAATTTAACA	390
	(2) INFORMATION FOR SEQ ID NO: 4053:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4053:	
<i>E E</i>	AACATACCGA TGTATATAAT CTATACACAA AGGATAATTA CTTATGCAAA GGCGGAGGAA	60
55		

	GTCGATTGCG AATGATTTAA GAGGGAACAT GGATGCGAGT GAATTCCGTA ATTACATTTT	180
	ÀGGCTTGATT TTCTATCGCT TCTTATCTGA AAAAGCCGAA CAAGAATATG CAGATGCCTT	240
5	GTCAGGTGAA GACATCACGT ATCAAGAAGC ATGGGCAGAT GAAGAATATC GTGAAGACTT	300
	AAAAGCAGAA TTAATTGATC AAAGTCGGTT ACTTCATTGA GCCACAAGAT TTATTCAGTG	360
	CGATGATCGT GAAATTGANA CGCANGATTT CCGATATAGA	400
10	(2) INFORMATION FOR SEQ ID NO: 4054:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4054:	
	GTAAGACCAT CGTACTTGAG TCTTCAAGTG TTCTTGATAA AACGGAACGA GAGACTTGGT	60
	ATTITICGAA CAAATCTITC ATTAACACAC CGACCATAAT AATTACAATC GAAGCAACAC	120
25	CTGCAGCGAA TACAAGCGCA ATACAACAAA TAACAGTAAT ACATATTAAA CTTCCTACAG	180
	AATGGATGCC TTTAGAAATA GTAGTTAATA AGACTTCTAA ACATCCTGCT TTTTCTACAA	240
30	TACCTGCAAA TGCATATCCG CAAAATATCG TTACTAATAT TTGGGnCATA CTCATCATAC	300
	CACCCTGTTC TAACAAGCTT TCACACTGGA TGAATATGAG nTGATGTATC ATTGATCGTT	360
	AAACCCTAAT GTGCTTTGAA CCATCGTCAT TTGAATGTGA	400
35	(2) INFORMATION FOR SEQ ID NO: 4055:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4055:	
	CGTCTACAAG TTCAAAATTC AAGTCTTCCA TAATTGGTTT AACAATCACT TCTACTTGTT	60
	CTGTAATTTT ACTCATACAG GCCTCCCTTT TTGGCAAATA GAAAAGAGCG GGAATCTCCC	120
50	ACTCTTCTGC CTGAGTTCAC TAATTTTTAA GCAACTTAAT TATAGCATAA GTTTATGCTT	180
	GAAACAAATG ACTTCACTAT TAATCAGAGA TTCTTGTAAA AGTTTGTTCC TTTATTTCAC	240
	CATTACATTT GAATAGACTC GTAAGACATT GAAAAGAAAT ACGGGCATAA TTTTGTGTCC	300
55		

	TCATTTTACA TATCAAATAT CGGAAGTTGA GCTTTATCTG	400
		100
5	(2) INFORMATION FOR SEQ ID NO: 4056:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 481 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4056:	
15	ATTTTGGTTT ACTTCATGTT GAGTTTTAGA CATTTTAACC ATCTCCAATA TAAAAATAAA	60
	TTAAATTAAA TTCTCAGGGA CTTGCATGAC GCCACCTGTA TTTGCGCTAG TTACTAGGGC	120
	AGTATAACGA GCTAGATAAC CTGTTTTTAC TTTCGCTTTA AATGGTGTTA AAGATTCTCG	180
20	GCGACGCGCT AGAACATCTT CAGGCTGGTT TACGTTTAAT GTACGATTTG TTAAATCAAT	240
	AGTAATCTCA TCACCATCTT CAATTAAgGc AATTGGTCCA CCAGATGCAG CTTCAGGGGA	300
	AATATGACCA ACTGCAATAC CTCTTGTGGC ACCGGtAAAA ACGCCCATCA GTKAATTAAT	360
25	GCAACATCTT TACCTAAGCC GCGACCAACA ATAGAGGAAG TAGGTGCTAA CATTTTCAGG	420
	nCATACCTGG GTCCACCTTT TAGGTGCCTT TCAnTATCTn ATGGACAACG ACGTGGGCCT	480
30	G	481
	(2) INFORMATION FOR SEQ ID NO: 4057:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 379 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4057:	
	TTTTTGCCTG GCAACGTTCT ACTCTAGCGG AACGTAAGTT GGCTACCATC GTCGCTAAAG	60
45	ACCTTTCTTG ACTTGTGACA ATCGCTTGCT TCTTTCCTCT CCTTCGGCTC TCGCTTACTC	120
45	ATTTAGCTCT ACTAAACTCG TTGCGCTCTT TTCTCGTTTC GTCAGATTCA AACGTTTTCA	180
	CTTCGCCAAG CCATTTTCT TTGTGTTTAC TTTTTATTTT GGACGTTTTA GACATAAAAA	240
50	AAAGAGACCT TGCGGTCTCA ATGCGGCTCA TCGCATCCAT TTTTTGCCTG GCAACGTTCT	300
	ACTCTAGCGG AAGTAAATTG GGCTACCANC GACGCTAAGA ACCTTTCTTG GACTGTGACA	360
	ATCGGCTGCn TCTGTnCCT	379
55		

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4058:	
, 0	CTGCATCACT GCCATAAAAA CTACCGTCAG CAGCGATAGN CGGCCAATCA TACCAGGAAC	60
	AAGACCGGGC TTGTCAGCGA TACTAACAGC GATATATCCA GCTAGTATTG GAACCATAAA	120
15	TTTAAAGGCT AAACTACCAA TGTTTTCAAT GGATTTCCAA AATGAATCAT CTGGGATGAC	180
	TAATCCTTTT GATGTCGTTT CACCGCCTAG AGTCAGCGCG ATGGCGATAA GGAGTCCACC	240
	AACTACGATA AAAGGAACCA TAAACGATAC ACCGTTCATT AAATGTTGAT ACACCATTTG	300
20	AATACCATTT TAGACTHACC GCGATCTTTC GAATGATAAT TIGTTTCAGA TGGTTAAATA	360
	GGCGCATTTG ATTTAATGAT ACGTGGATTT GGACCCTCGG	400
25	(2) INFORMATION FOR SEQ ID NO: 4059:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4059:	
35	TTAAAAAACT GCCTGGCAAC GTTCTACTCT AGCGGAACTA AGTnGAnCTA CCATCGACGC	60
	TAAGGAGCTT AACTTCTGTG TTCGGCATGG GAACAGGTGT GACCTCCTTG CTATAGTCAC	120
	CAGACATATG AATGTAATTT ATACATTCAA AACTAGATAG TAAGTAAAAG TGATTTTGCT	180
40	TCGCAAAACA TTTATTTTGG ATTAAGTCTT CGATCGATTA GTATTCGTCA GCTCCACATG	240
	TCACCATGCT TCCACCTCGG AACCTATTAA CCTCATCATC TTTGGAGGGA TCTTATAAAC	300
45	CGAAATTGGG GAAATCTCAT CTTGAGGGGG GCTTnCATGC TTAGATGCTT TCCAGCACTT	360
	ATCCCGT	367
	(2) INFORMATION FOR SEQ ID NO: 4060:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55		

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4060:	
	TTCCGnACTC ACATAGCGAC TCAGGATTCA GACAGCGCAT TCAGATTCAG ACACCGCATT	60
5	CAGATTCAGC ATAGCGATTC AGCATTCCGC ACAGTGACTC AGNATTCCGA CAGTGACTCG	120
	GATTCAGATA GCGATTCAGA TTCCGACAGT GACTCAGATT CCGACAGTGA CTCAGACTCA	180
10	GACAGTGATT CGGATTCAGC GAGTGATTCG GATTCAGATA GTGATTCCGA CTCCGACAGT	240
	GACTCGGATT CAGATAGCGA CTCAGACTCG GATAGCGACT CGGATTCAGA TAGCGATTCG	300
	GACTCAGATA GCGATTCAGA ATCAGACAGC GATTCAGATT CAGACAGCGA CTCAGACAGT	360
15	GACTCAGATT CAGA	374
	(2) INFORMATION FOR SEQ ID NO: 4061:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 432 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4061:	
	AAAATCATAA TATTTGGCAA TTTTTTCAAC TTGACTCTGG TCCTTCTGCA TAACTGCCGT	60
30	AAATAATTCA CCTTCATCAC ACGCTGTACC TACCAATAAT CCCTCACGAT ATTCATCTAA	120
	CAATGAACGT GGAATTCGAG GTGTACGGTA GAAATACTTC ACCAATGATG CACTTACAAT	180
	TTTAAATAGA TTTTTAAGAC CTTGTTGGTT TTGTACAATT AATGTGACAT GACTAGGTCT	240
35	TGCACGTTTA TATGCATCTT CATTACTGAG TTTTTKGTLG ATTTCGTTAT GATTTAATAC	300
	GCCTAAWTCY TTCATTTGTT GAACCATTTT TATGAAAATG TAAGCTGTTG CTTCTGTATC	360
10	ATAAATGGCA CGGTGATGTT GCGTTAATTC TACGCCATAT TTTTTAGCCA AGAAATTCAA	420
	ACCATGTTTA CC	432
	(2) INFORMATION FOR SEQ ID NO: 4062:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4062:	
	TATCTTCGTT CTCAATAGAA TGATTTAAAC CTTCGATTTC TTTATCTAAA TGACTACCAA	60

	TTTTTCTTC AACTAAGTCA CGATATAATG TTTTTGAATT TTCGTTCAAT TTCGATTCGT	180
	GATTTTGAAT ACTTTTCTTC CACACAAATG TATACCTATT GGCATTAGCT TCTACTTTTG	240
5	TACCATCAAT AAGATTTTGC TTTAAACATT GACTATGAAA CTGGGATAAA TAAAGAnTCA	300
	ATTAACGCAT CAGTATTAGG GANTCACTCT AATACGATTA ATAGTTTTTA TAAGAAGGTG	360
	nTTGGATTTG GAGCTAACCA CATCCA	386
10	(2) INFORMATION FOR SEQ ID NO: 4063:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4063:	
	TAGGAGAGCG TTCTAAGGGC GTAGCATGAT CGTAAGGACA TGTGGAGCGC TTAGGAGAAT	60
	GCCGGTGTGA GTAGCGAAAG ACGGGTGAGA ATCCCGTCCA CCGATTGACT AAGGTTTCCA	120
25	GAGGAAGGCT CGTCCGCTCT GGGTTAGTCG GGTCCTAAGC TGAGGCCGAC ACGTAGGGCG	180
	ATGGATAACA GGTTGATATT CCTGTACCAC CTATGAATCG TTTTAATCGA TGGGGGGACG	240
3 <b>0</b>	CATAGGTATA GGCGAGGTGA CGATTGGGAT TGCACGTCTT AAGCAGTAAG GCTGAGTATT	300
	AGGCAAATCC GGTACTCGTT nAAGGCTTGA GCTGTGGATG GGGAGAAGAC ATmGAGTCTT	360
	CGAGTTCGTT GGnTTTCACA ATGGCC	386
35	(2) INFORMATION FOR SEQ ID NO: 4064:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 386 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4064:	
-5	TAAGGCAGAT GCTCTCCCAG CTGAGCTAAT TCTCCGATTT AAAACTGCCT GGCAACGTTC	60
	TACTCTAGCG GAACGTAAGT TGGAGCTACC ATCGACGCTA AGGAGCTTAA CTTCTGTGTT	120
50	CGGCATGGGA ACAGGTGTGA CCTCCTTGCT ATAGTCACCA GACATATGAA TGTAATTTAT	180
	ACATTCAAAA CTAGATAGTA AGTAAAAGTG ATTTTGCTTC GCAAACATTT ATTTTGATTA	240
	AGTCTTCGAT CGAnTAGTAT TCGTCAGCTC CACATGTCAC CATGCTTCCA CCTCGAACCT	300

	AGGGGGGGCT TCATGCCTTT AGAATG	386
	(2) INFORMATION FOR SEQ ID NO: 4065:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4065:	
15	AATTCTTTCG CTACTTGAAT GACAACACTT TGTTTTACGC CTGAAATGGC TTCTTGCCAA	60
	GCAGGTGTAT ATTTTGATTC TGCATCGTCG TATCCTTTTG ATTCTAATTT ATGATCAAAA	120
	CGACGCACGC CATATTGACT TGCCATTAAG TCAAAAATTG TAGCAATACG GACTTTGTCA	180
20	CCATTTGCTA AAGTGACTTG TCGAGTTGGA ATTGGACGAT TGAATATCCC ATCTCCATCA	240
	CTATCAAAGT ATGGGAATTG AATTGTTTCT AATTCGTATC CACCTTCTGT CATTGATAAT	300
25	GTAGGGTTAA TTTTAGAACC ATCTTCTGTT TCTAGTTTTA AGTTCCACTT CTTACCTTCT	360
20	TCCCAACGTG GACCCATGGT GCCATTAngn ACTACTAAAC	400
	(2) INFORMATION FOR SEQ ID NO: 4066:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4066:	
	ATTTGAAAT TGAGAAAACA ACTTATTGAA AAACATAATC TTTACGGTAA CATGGGTTCA	60
40	GGAACAATCG TTATTAAAAT GAAAAACGGT GGGAAATATA CGTTTGAATT ACACAAAAAA	120
	CTGCAGAGCA TCGTATGGCA GACGTCATAG ATGGCACTAA TATTGATAAC ATTGAAGTGA	180
45	ATATAAAATA ATCATGACAT TCTCTAAATA GAAGCTGTCA TCGGAAAAAC AAGAAGTTAA	240
	GTGACAACGG TTTACATGTT GCTTAGCTTC TTTTATTATG CGTAATGATG TAAAAAAGACG	300
	NATATTCATT TGTTTGTAAA AGTGGCATTC TATGTCTTAA AGTGACGNAA CTTCCAATGT	360
50	GCCCAGTGTT TGATTCACAT CAAATCCATT TTTATTTAAC	400
	(2) INFORMATION FOR SEQ ID NO: 4067:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4067:	
	CCTCATTCCA GGAAGGAATG TATTCTAAGA GTTGAAATAC TCCCGCATTA TTATTAAATT	60
	ATGGAGCGGA AGATAGGATT TGCACCTATA CCTCGTTCCG GGAAGGAACG TGTTCTAAAA	120
10	GTTGAACTAC TCCCGCATAA ACCTGGAGGC GGCAACCGGA TTTGAACCGG TGATAAAGGT	180
	TTTGCAGACC TCTGCCTTAC CACTTGGCTA TGCCGCCAAT AACTGGGCTA GCTGGATTCG	240
15	AACCAACGAG TGACGGAGTC AAAGTCCGTT GCCTTACCGC TTGGCTATAG CCCATTAATA	300
	ATAAGGGCGG CTGAAGGGGA TCGAACCCTC GAATGTCGGA ACCACAATCC GATGTGTTAA	360
20	CCACTTCACC ACAGCCGCCA TGGCAGGGGC AGTAGGAATC	400
	(2) INFORMATION FOR SEQ ID NO: 4068:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4068:	
	TATCTAATAG TTTTACTTTA AGTCCAGCAT TCACAAAAAG TGCTGCCAGT TGAGCGCCCA	60
	TTGTGCCTGC GCCAAGAACG GTTACTTTAT TAATTGTCAT AGTGATTCCT CCAATTTAGT	120
35	TGAGGATAAG ATAACCATTA AGATAATTGG AATAACGTTG CTATTTTATA AAATTAATTA	180
	AGTATCTTTG ACAGTCATCT TAGCCTCTTA TTTAAGGAAA AAGCTTTATG CTTAAAATAA	240
	GTCTTTTTTA GTGAAATTAA TGCATCTCAT ATAATTATTT GCTATTTATA CGAAAGCAGA	300
40	ATCTCCAGTC AAAGCGCGTC CANTACTAAG GCATTAATTT CATGTGTACC TCGTACGTGT	360
	AAATCGnTTC TGCATCAGnG AGGAAACGTG CAATATCATA	400
45	(2) INFORMATION FOR SEQ ID NO: 4069:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 356 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4069:	

	AAAAAGAAGA ATTGAAACGC CATATAAAGT AACGTTAAAT AATAACGAAA AAAGGGCACT	120
	ATTCAAACAA TTAGCGTATG TTGAAGGGTT TGAAAAATAT CTTCATAAAA ACTTCGTTGG	180
5	TGCAAAGCGT TTTTCAATTC nCGGGGTAGA CGCACTTGTA CCGATGTTAC AACGTACTAT	240
	TACGATTGCT GCGAAAGAAG GTATTAAAAA TATACAAATA GGCATGGCTC ACCGTGGGAC	300
10	GTTTAAACGT TTTTAACGCA TGTnCTTAGA AAAAACCGTA CGAAATGATG ATTTCn	356
10	(2) INFORMATION FOR SEQ ID NO: 4070:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xí) SEQUENCE DESCRIPTION: SEQ ID NO: 4070:	
	AAACGTTTAG GGAAAATTAT CACACAGATA CAACAATACA CAGATATTGA TTACCCGATA	60
	GCGATTGTCT TTCAAGCATC GTGTTTTAAC GAGTTTGTTG TTAAGGGGCG TTTAAGTAAT	120
25	ATTATTTCAA AATTGCAACA CTATTCAATT GAGGCGAAAC CAGGTATATG TATTATAGGG	180
	GAAGTTGTTG ATTATACTGA AAACACTCCT AAATCATATG ATCCTATGAA GCAATTTTAT	240
30	GTAGTAAGTG GTTCTAAACA TGACGCCCTT ATGCTCTGTG AACATTATAT GACGAAGGTT	300
	ATGGCTGTTG CTAAACCCCA ATGATACATC GAATGGGCAC CATTATCCAN TCGTCGCAAT	360
	AATGGATTAC CCAAGGATGC CATTTANTTA AGCCNGCCAN	400
35	(2) INFORMATION FOR SEQ ID NO: 4071:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4071:	
	CCTCTGGAAA CCTTAGTCAA TCGGTGGACG GGATTCTCAC CCGTCTTTCG CTACTCACAC	60
	CGGCATTCTC ACTTCTAAGC GCTCCACATG TCCTTACGAT CATGCTTCAA CGCCCTTAGA	120
50	ACGCTCTCCT ACCATTGTCC AAAGGNATNC CCACAGCTTC GGTAATATGT TTAGCCCCGG	180
	TACATTTTCG GCGCATGTGC ACTCGACTAG TGAGCTATTA CGCACTCTTT AAATGGATGG	240
	CTGCTTCTAA GCCAACATCC TAGTTGTCTG GGnAACGCCA CATCCTTTTC CACTTAACAT	300

	Т	361
	(2) INFORMATION FOR SEQ ID NO: 4072:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4072:	
15	ATGGTGACAA AAACATCGCA TTATTACTAG GTGTCGGCAC AGGCGTTTGT GGTGCTGCTG	60
	CTATTGCCGC AGTCGCTCCA ATATTCAAAT CACGTGAAAA GGATACAGCT ATTAGTATCG	120
	GTATCATCGC ATTGATTGGT ACGATATTTT CACTTATATA TACAGCTATC TACGCTATCT	180
20	TTTCAATGAC GACAAATGTT TATGGCGCTT GGTCTGGTGT TAGTCTTCAT GAAATTGnCA	240
	CACGTTGTCT TAGCTGGTGG CTTTGGTGGT AGTGATGCAC TTAAAATTGC ACTTCTTGGT	300
	AAACTTGGTA GGAGTATTCT TACTGGATTC CCATTAACCA TCGTACTTAA TTTTAAATAT	360
25	GCGGTTnCCG TTnCATCAGG ANTCATCTAG GCAAGGGGTC	400
	(2) INFORMATION FOR SEQ ID NO: 4073:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4073:	
	GCGACGATCA TTTTAGAATC CGCTTGGGCG ATTAATTCTT TAGAAGTGGA TGAGGCAAAA	60
40	TGTTCATTAT CAGGAACTAA AGCAGGTGCT GATATGAAAG ATGGTCTACG TATTCATGGT	120
	GAAGACATGG GTACACTTTA TACCAAACAC GTTGAATTGG AAAACAAAGG CGTCGACTTT	180
45	TATGAAGGTA ATGAAGTGGA TGAAGCTGAA GAAGAAGCAA AAGCTTGGAT TGATGCAGTT	240
	GTAAATGATA CTGAACCAGT TGTGAACCGG AACAAGCAAT GGTAGTTACC AnAATTCTTG	300
	AAGCGATTTA TCCGTCTGCC AAATCCAGGC CAAAGCCATT TACTTTGGAA TAACATCnTA	360
50	CCGGTAAGGG GGCnCATCCT GGACCAAATT TAAAAGTTGG	400
	(2) INFORMATION FOR SEQ ID NO: 4074:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li></ul>	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4074:	
	TCTTCCTAAT ACCTTTCCAC GATCTTCAGC TGGCGCCTCT GCACTCGCAA ACGCACTTGA	60
		60
10	TGCATCAACA ACACCACAA ATAGTCCCTG CAATAACCTC ACAAGTACAA ACTGTAATGG	120
	TGTCGTACAC AATGCCATTA AAAATAAGCA TACCGCCAAA CCAAGTAACG CTCTTAACAC	180
	CATCCATTIT CGGCTGATCT TATCACCTAG CTTCCCCCCAT ATCGGCGGAG TTATGCATCG	240
15	TCGTTACAGC TGGAGCAGCA ATCGCTATAC CACTCCACAN CTGTATTTCT ACGGACTGAT	300
	AGGATTTTGT AGTGATGNCC ATGATGAAAT GGGCAATAAT GGGCACAAGT ACTGTTCAGT	360
	CCAGCCAATC GTTATGAAAC TGGACTGGGG CCATHAAATG	400
20	(2) INFORMATION FOR SEQ ID NO: 4075:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4075:	
	GGTTCAGAAC GTCGTATGNA GTTCGNTCCC TATCCGTCGT GGGCGTAGGA AATTTGAGAG	60
	GAGCTGTCCT TAGTACGAGA GGACCGGGAT GGACATACCT CTGGTGTACC AGTTGTCGTG	120
35	CCAACGCATA GCTGGGTAGC TATGTGTGGA CGGGATAAGT GCTGAAACTC TAAGCATGAA	180
	GCCCCCCTCA AGATGAGATT TCCCAACTTC GGTTATAAGA TCCCTCAAAG ATGATGAGGT	240
	TAATAGGTTT CGAGGTGGAA GCATGGTGAC ATnTGGAGCT GACGAATACT AATCGATCGA	300
40	AGACTTAATC AAAATAAATG TTTTGCGACA AATCCACTTT TACTTACTAT CTAGTTTGAA	360
	TGATAAATTA CATCCATATG	380
	(2) INFORMATION FOR SEQ ID NO: 4076:	
<i>45 50</i>	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 380 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4076:	

	TTTGCCTAAT ACTCAGCCTT ACTGCTTAGA CGTGCAATCC AATCGCACGC TTCGCCTATC	120
	CTACTGCGTC CCCCCATCGA TTAAAACGAT TATAGGTGGT ACAGGAATAT CAACCTGTTA	180
5	TCCATCGCCT ACGCCTGTCG GCCTCAGCTT AGGACCCGAC TAACCCAGAG CGGACGAGCC	240
	TTCCTCTGGA AACCTTAGTC AATCGGTGGA CGGGATTCTC AnCCGTCTTT CGCTACTCAC	300
10	Ancegcattc teacttetaa geggteeaca tetettaega teatgettna aggeettagg	360
	AAGGTTCCTA CCATGGTCAA	380
	(2) INFORMATION FOR SEQ ID NO: 4077:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 370 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4077:	
25	GCAGGTCTGA CTCTAGAGGA ThCCCACGCG CGCAAGATTT AAATCGAAGA AACCAGCAAC	60
	AGATTCCTCA AAATAGCGCG GCGAACAACG AAACATCAAA TAGTGCACCT GCAGCTGGTA	120
	ATGGTGTAGC ATCAACGCCA CCAAGTGCAC CAAGTGGCGA TACTGCACCA AATAATAATG	180
30	TTACGCAAAA TACCGCACCA AATAGTAATA ATGCGCCTGT ATCGACTACA CCACAAAGTA	240
	CAAGGCGGGA AMAAAGATGG TCAAAGTTTT GTAGATATAA CAACAACACA AGTCAGCACA	300
	GCTAACGAGA ACACACAAAA CATTACAGAT AAAGATGTTA AATCAATGGA AGCGGCATTA	360
35	ACGGGCTCTT	370
	(2) INFORMATION FOR SEQ ID NO: 4078:	
<del>1</del> 0	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	, <u></u>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4078:	
	AAACATTTTA TCAAATGGCA GAAGGACATG TGCCAAGACC ACCAGCGATG GTTGAAACAT	60
50	TGACTTATAT TAAAGAGTTT ATGAACCAAG TTGAGTCGCA TAGCTAGTAT GAAACGTGGT	120
	GTGCGCATGG GAACTATCAA GCTTTGAAGA TGTGGTACTA CATGCGTTGG AATTAGGGAT	180
	CGGTACTTTA TATGAAGACG TGCTGCTTCC ATTAAATGAG TGATGCGATT TTGGCATGAA	240

	TAAGAGGGGC CAACCATTGT TAGANATAAC AACGGTTGGC TCTTTAANTG T	351
	(2) INFORMATION FOR SEQ ID NO: 4079:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4079:	
15	TTGAAGTAAC TAAATTAATA TTATGTTGTT CAATTAAAAG CTTCATACAA ACCTAATCTA	60
	TTTGCACTCC ACCGCTAACA CCGAACACTT GTCCGGTTGT ATAACTTGAT TCTTCTGACG	120
	CTAATAGCAC ATAAGTTCCA CATAACTCAA CAGGTTGACC TGCACGACCT AAAGGTGTTT	180
20	TTTGACCAAA TGTTGGGATT TTACTTTGAG GTTGTCCACC AGAAATTTGT AATGGTGACC	240
	AGAATGGACC AGGCGCTACA CAGTTCACTC TAATTCCTTT TGGTCCTAAT TCTTCTGAAA	300
	AACTTTTAGT TAATGAAATA ATTGCTGCCT TTTGAAGGGG CATAATCCAT GAAGAATANG	360
25	GCCAGGGANT AAAACCCTGG ACNAAAGAAG CCGTGGAAAT	400
	(2) INFORMATION FOR SEQ ID NO: 4080:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4080:	
	TCGTTGGACA CAATCTGAAA AATAAATAGA TATAAATTCG CGAGATATAT TCGTATTTAT	60
40	AGTAAAATTA AATAAAGAGA TTATATAACA CGAGGAGTAG TAAGTATGAA ATTTGAGAAA	120
	TATATAGATC ACACTTTATT GAAGCCTGAG TCAACACGTA CGCAAATCGA TCAAATCATC	180
	GATGAAGCGA AACATTACAA TTTTAAATCT GTATGTGTGA ATCCAACACA TGTTAAATAT	240
45	GCAGCAGAGC GACTAGCTGA TTCAGAGGTG CTCGTTTGTA CGGTAATAGG ATTCCCATTA	300
	GGTGCGTCGA CAACTGGCAA CGAAAGCATT TGAAACAGAA GATGCAATTC AAAATGGTGC	360
50	AGATGAATTG GACATGGTCA TCCACATCGG CGCATTAAAA	400
	(2) INFORMATION FOR SEQ ID NO: 4081:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 359 base pairs	
55	(A) BENGIN. 333 Dase parts	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4081:	
	CGACTAGTGA GCTATTACGC ACTCTTTAAA TGATGGCTGC TTCTAAGCCA ACATCCTAGT	60
10	TGTCTGGGCA ACGCACATCC TTTTCCACTT AACATATATT TTGGGACCTT AGCTGGTGGT	120
	CTGGGCTGTT TCCCTnCnCG AACACGGACC TTATCACCCA TGTTCTGACT CCCAAGTTAA	180
	ATTAATTGGC ATTCGGAGTT TGTCTGAATT CGGTAACCCG AGAGGGACCC CTCGTACCAA	240
15	ACAGTGCTCT ACCTCCAATA ATCATCACTT GGAGGCTAGC CCTAAAGCTA TTTACGGAGA	300
	GAACCAGCTA TCTCCAGGTT CGATTGGAAT TTCTCCGCNA CCCTCAGTTC ATCCGCTCA	359
20	(2) INFORMATION FOR SEQ ID NO: 4082:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 379 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4082:	
30	TTTGACATTT AGTGTAAGCG TnTTACAAAT AAAGCGTGTT GTTTTTGAAT TAAATGCATT	60
	TCACATTAGT ATTCATATTA TTTTTAGGAG GAATTTATAT GACATTTGAA AAAGAAACGG	120
	TCTTAAAAAC ATTATTTCCT GAAGATGTAC TTAGTATTGC TAAAGGTTTA ACAGACGGTG	180
35	AAGTCGAATT TTTACAACAA GTAGATTCAT TGGCTAGAAA GTAAGTACCG TGGAAAATAT	240
	TAATCAACAT TGGATAGACG CTACTGTACC CGAGGACTAT TTTAAAGATC TGGGGAGAAT	300
40	TAAATTATTT TAACAATCCA TTACTTTACA AGGGATCGTC CAAACGCCAA AnGGCCTAGT	360
	CCAACTATTT nCAGTTTTT	379
	(2) INFORMATION FOR SEQ ID NO: 4083:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4083:	
	TTGAAACAGC CAGAGGTGTT TTATACCCAG GTGTTTCAGA TATGTATGAT GCGAAACAAT	60
55		

	TTGGAACATA TGGTCCTAAC AAAGATGTTG TAGGCATATC TACTCGTCTT ATTAGAGTGA	180
	CATATGATAA TAGACAAACA GAAGATTTAA CTATTTTATC TAAAGTTAAA CCTGACCCAC	240
5	CTAGAATTGA CGCAAACTCT GTGACATATA AAGCAGGTCT TACAAACCAA GAAATTAAAG	300
	TTAATAACGT ATTAATTAAC TCGTCCGTGA AATTATTTAA GCCGATAATA CACCATTAAA	360
	TGTnCnCAAT ATTACCCnGG GTAGCGGGTT TTAGTTCCGG	400
10	(2) INFORMATION FOR SEQ ID NO: 4084:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4084:	
	AGCATATCGT CGTTAGTAAC GTCCTTCATC GGCTTCTAGT GCCnAGGCAT CCACCGTGCG	60
	CCCTTAATAA CTTAATCTAT GTTTCCATCC TACAGGAAAC GCGTTAGTAA TCTTGTGAGT	120
25	GTTCTTTCGA ACATAGCGAT TATTTCTTAT GAATTCAAGC TTATTTAAAA CTCTTTATTC	180
	ACTCGGTTTT GCTTGGTAAA ATCTATATTT TACTTACTTA TCTAGTTTTC AATGTACAAT	240
	TTCTTTTTAG TCAAGCGCTC GCATAAGCAA TATCACTTTA ACCAAAAAAT ATTTGAATGT	300
30	TAAATAAACA TTCAAAACTG AATACAATAT GTCACATTAT TCCGCCATCT nCTGAAGAAG	360
	ATGTTnCCGA ATATnATCCT TAGAAAGGAG GTGGATCCCA	400
35	(2) INFORMATION FOR SEQ ID NO: 4085:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs	
40	(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4085:	
45	TTACTTATCT AGTTTTCAAT GTACAAATAA TGGTGGAGAC TAGCGGGATC GAACCGCTGA	60
	CCTCCTGCGT GCAAAGCAGG CGCTCTCCCA GCTGAGCTAA GCCCCCAAAT AGGTATTAAA	120
	TTAATGGTGG GCCTAAGTGG ACTCGAACCA CCGACCTCAC GCTTATCAGG CGTGCGCTCT	180
50	GAACCAGCTG GAGCTATAGG CCCATTAATT TGGAATGAAC AAACATTCAA AACTGGAATA	240
	CAATATGTCA CGTTATTCCG CATCTTCTGG AAGAAGATGT TTCCGAATAN ATCCTTANGA	300

	AAGCATTTGT TCCCACCTTC GACGGCTGAG CTCCTAAAAG	400
	(2) INFORMATION FOR SEQ ID NO: 4086:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4086:	
15	GTCATTGGAA ACTGGAGNAC TTGAGTGCAG AAGAGGAAAG TGGAATTCCA TGTGTAGCGG	60
15	TGAAATGCGC AGAGATATGG AGGAACACCA GTGGCGAAGC GACTTTCTGG TCTGTAACTG	120
	ACGCTGATGT GCGAAACGTG GGGATCAAAC AGGATTAGAT ACCCTGGTAG TCCACGCCGT	180
20	AAACGATGAG TGCTAAGTGT TAGGGGGTTT CCGCCCCTTA GTGCTGCAGC TAACGCATTA	240
	AGCACTCCGC CTGGGGAGTA CGACCGCAAG TTGnAAACTC CAAAGGAATT GACGGGCGCA	300
	CAAGCGTGGG AGCATGTGGT TTAATTCGAA CCAACGNATA GAACCTTACC AAATCTTGGA	360
25	С	361
	(2) INFORMATION FOR SEQ ID NO: 4087:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4087:	
	GACCTTGCAG GACTCGAACC TGCGACCGAA CGGTTATGAG CCGTTAGCTC TAACCAACTG	60
40	AGCTAAAGGT CCTAAATATA ATTTTACAAC TAATAAATAG TGGCGGTGGA GGGGATCGAA	120
	CCCCCGACCT CACGGGTATG AACCGTACGC TCTAGCCAGC TGAGCTACAC CGCCTTATAT	180
	AGTITGTAAA TAATATGGTG GAGACTAGCG GGATCGAACC GCTGACCTCC TGCGTGCAAA	240
45	GCAGnCGCTC TCCCAGCTGA GCTAAAGCCC CCATAAATAA TTACAGTATA TCGGGAAGAC	300
	AGGATTCGAA CCTGCGACCC CTTTCCCAAA CCAAGTGCTT TTACCAAGTT GGTACTTCCn	360
50	GTATAATTTA ACGGGCCCGA TAGGAGTTCG GAACCCTTAA	400
-	(2) INFORMATION FOR SEQ ID NO: 4088:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4088:	
	AGCTATTATT TTTGACAGAT TCCATATCGT TCAACATTTA AATAGAGAAC TTAATAAGTA	60
10	TCGTGTACAA GTTATGAATG AATACCGTAA TAAAAAAGGA CCTGATTATA CAATTTTTAA	120
70	GAATAACTGG AAAGTCCTAT TGATGGATAC TAGTAAAACC ATATTTAGTA AATACAGATG	180
	GAATAAATCT TTTAAGGCTT ATAAACGCTC ATCTGACATT GTAGGAATTC ATGCTTTCAA	240
15	AAGACGATAT ACTACGACAC TCCTACGAAC TTGTCCCAAG GGATTACGGA AAAGGCCCTA	300
	AGGGTTATGT TAATTGGCCC TAAATTTATT AAATGCGTTT GAAATTCAGT TAGTTAAAAA	360
	GTCTGTGAGT GANGGGTGTA TGGGAAAGTG GTTAAAATAT	400
20	(2) INFORMATION FOR SEQ ID NO: 4089:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4089:	
	ATCGTTTTAG ATAAGACGGG TACATTACAA ATGGTCGTCC AGTCGTGACA GATTATCATG	60
	GTGACAATCA AACGCTACAA CTACTTGCTA CTGCTGAAAA AGATTCTGAA CACCCATTGG	120
35	CAGAAGCCAT TGTCAATTAT GCAAAAGAAA AGCAATTAAT ATTAACTGAG ACAACAACAT	180
	TTAAAGCAGT ACCTGGGCCA TGGTATTGAA GCAACGATTG GATCATCACC ATATATTGGT	240
	TGGTAACCGT GAAATTAATG GCTGACAATG GATATTAGCT TGCCTAAGCA TATTTnnGGA	300
40	TGGATTTAAC ACATTATGAA CGAGATGGTA AAACTGCTAG CTCATTGCTG TTGAATTATT	360
	nCATAACGGT ATCA	374
45	(2) INFORMATION FOR SEQ ID NO: 4090:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4090:	

	TTAATAACGT ATTAAATAAC TCGTCAGTAA AATTATTTAA AGCAGATAAT ACACCATTAA	120
	ATGTCACAAA TATTACTCAT GGTAGCTGTT TTTGTTCGGT TGTGACAGTA AGTGACGCGT	180
5	TACCAAATGG CGGAGTTAAA GCAAAATCTT CAATTTCAAT GAACAATGTG ACGTATACGA	240
	CGCAAGACGA ACATGGTCAA GTTGTTACAG TAACAAGAAA TGAATCTGTT GATTCAAATG	300
10	ACAGTGCACC AGTAACAGTG ACACCACANT TACAAGCAAC TACTGAAGGC GCTGTATTTA	360
10	TTAAGTT	367
	(2) INFORMATION FOR SEQ ID NO: 4091:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4091:	
	TAATATTATA TTGCTAGTAG TTGACTGAAT GAAAATGCGC TTGCAACAAG CTTTTTTCAA	60
25	CTCTAGTCAG GGGCCCCAAC ACAGAGAATT TCGAAAAGAA ATTCTACAGG CAATGCGAGT	120
	TGGGGTGTGG GCCCCAACAC AGAGAATTTC GAAAAGAAAT TCTACAGGCA ATGCGAGTTG	180
20	GGGTGTGGGC CCCAACACA AGAATTTCGA AAAGAAATTC TACAGGGCAA TGCGAGTTGG	240
30	GGTGTGGGCC CCAACATGAG AGAAATTGGA TTCCCAATTT CTGACAGACA ATGCAAGTTG	300
	GCGGGGGCCC CAACACAGAA GCTGGACGAA AATCCTTGAA CGAATGAATG TGGCAATTGG	360
35	CGGGGGCCCA ACACAGAAGn TGACGAAAAT nCTnGAACCA	400
	(2) INFORMATION FOR SEQ ID NO: 4092:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4092:	
	GCATTTCTCA TAACACAAGG AATTTCAACA AGTCCGGCTA CTGGATCACA AACTAAACCT	60
	AATAAATTAC TTATCGCTAA TGCCATAGCG TGCCCGGATG CTTCTGGTGA TCCTCCGAAT	120
50	ATAGCTACTG CTGCAGCTGC GGCCATTGCA GATGCTGAAC CAACTTCAGC TTGGCAGCCA	180
	CCTGTTGCAC CAGCTACACT TGCATTGTTT GCTACGACAC GCCCAAACAA TGCTGAAGTG	240

	CCGGGAATGG TANCCGAGGG AANCAGCTGT GGGCGTTGCA CAAATAATAC CCCATCGCAG	360
	CATTTGACCT TCATTTGGTT GCAATGGGAA CCTTTGACTG	400
5	(2) INFORMATION FOR SEQ ID NO: 4093:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 354 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4093:	
	TGACTTACGT ACTGTTCAAC CAATCGATGT TGACACAATT GTAGCTTCAG TTGAAAAAAC	60
	TGGTCGTGCA GTTGTAGTTC AAGAAGCACA ACGTCAAGCT GGTGTTGGTG CAGCAGTTGT	120
20	AGCTGAATTA AGTGAACGTG CAATCCTTTC ATTAGAAGCA CCTATTGGAA GAGTTGCAGC	180
	AGCAGATACA ATTTATCCAT TCACTCAAGC TGAAAATGTT TGGTTACCAA ACAAAAATGA	240
25	CATCATCGAA AAAGCAAAAG AAACTTTAGA ATTTTAATAC ATTTTAAAAG TTAACGAATT	300
23	AGCGTATTTT AGTCTCATTG ATTAANATGA AATGNGNTAA TTTACGGAAT CCTA	354
	(2) INFORMATION FOR SEQ ID NO: 4094:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 351 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4094:	
	CGTTAACATG AAGTTACGTT CTTTTATAAA AAGATTTAAA CGCGTTATTA ATCTTGTGAG	60
40	TGTTCTTTCG AACACTAGCG ATTATTTCTT ATGAATTCAA GCTTATTTAA AACTCTTTAT	120
	TCACTCGGTT TTGCTTGGTA AAATCTATAT nTTACTTACT TATCNAGTTT TCAATGTACA	180
45	AATAATGGTG GAGACTAGCG GGATCGAACC GCTGACCTCC TGCGTGCAAA GCAGGCGCTC	240
	TCCCAGCTGA GCTAAGCCCC CAAATAGGnA TTAAATTAAT GGTGGGCCTA AGTGGACTCG	300
	AACCACCGAC CTCACGCTTA TCAGGCGTGC GCTCTAACCA GCTGAGCTAT A	351
50	(2) INFORMATION FOR SEQ ID NO: 4095:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 384 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
55	(C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4095:	
5	ATTGTTGCGA CTGGCACACC CGAAGATATT GCTCAGACAA AGTCATCATA TACAGGAAAG	60
J	TATTTAAAAG AAGTACTTGA ACGAGATAAA CAAAATACTG AAGATAAATA AGATTAAAAG	120
	AAGTGAAGGA TGTTATAATT TATCCTTCGC TTCTTTTTAT TAATTTAGTA ATGAATAGTA	180
10	GAAAGAAAAG ATGCGTAAAA AGAATTATGT TAAGATAGGG TCAATCTAGA GTAGTTAAAC	240
	ATAAATCGAA CTmGGAGTGG GACAGAAATG ATAAAGAATC ACTAATGATT TATTATGTAG	300
	TGGTTCTTTG TCATTAGCCA CAGCTATTTG TGTACTTAAA AnTAGGTATG CCAGTGTGCA	360
15	CTCCTTGAGA GGAAATACTn ATTT	384
	(2) INFORMATION FOR SEQ ID NO: 4096:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 387 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4096:	
	CTGCATCTTC ACAGGTACTA TGATTTCACC GAGTCTCTCG TTGAGACAGT GCCCAAATCG	60
30	TTACGCCTTT CGTGCGGGTC GGAACTTACC CGACAAGGAA TTTCGCTACC TTAGGACCGT	120
	TATAGTTACG GCCGCCGTTT ACTGGGGCTT CGATTCGTAG CTTCGCAGAA AGAGCCGACT	180
	CCTCTTGAAC CTTCCAGCAC CGGGCAGGCG TCACCCTGAT GACATCACCT TACGGTTTAG	240
35	CAGAGACCTG TGTTTTTGAT AAACAGTCGC TTGGGCCTAT TCACTGCGGC TCTTCTGGGC	300
	GTTAACCCTn AAAGAGCACC CCTTCTCCCG AAATTnACGG GGTCATTTTG GCCGAGTTCC	360
40	TTAACGAGNA TTCGCTCGGT GCAACTT	387
	(2) INFORMATION FOR SEQ ID NO: 4097:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4097:	
	CCACTCACAT TCACACATCG ATTCACACAC CGCACTCAGC ACTCAGnATA CCGCATTCAG	60

	TCAGATAGCG ACTCAGATTC GGATAGCGAC TCAGACTCAG ATAGCGATTC AGATTCAGAT	180
	AGCGATTCGG ACTCAGACAG TGATTCAGAT TCAGACTCAG ATAGCGACTC AGATTCTGAC	240
5	AGCGATTCAG ACTCAGACAG CGACTCAGAC TCAGACAGTG ATTCAGATTC AGACAGCGAC	300
	TCAGATTCAG ATmGCGACTC AGACTCAGAT AGCGACTCAG ATTCAGATAG CGATTCGGAC	360
	TCAGACAACG ACTCAGATTC AGATAGCGAT TCAGATTCAG	400
10	(2) INFORMATION FOR SEQ ID NO: 4098:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4098:	
	TCGTACCTGA ACTACTTTGT ATTAAAATAG TTACAACGAT ACCTGCAATA ACACCTAATA	60
	CTGGATTTGA TGTAAATTTG TTTAAAATAT CTCGTAGCCT GTCTCCTGCT GATGCTTGAA	120
25	GCCCGTCTCC CATGATTTTT AAGCCGTAAA GGAAAATACC TAAACCACCT AAAAAGGAGA	180
	AAATGACTTC TGTAACCGAC ATTTCCATTA TTTCACCTCA AATAAGCTTT ATATTTAGAT	240
	TATCGCTTAT AATTGTAAAT TTAATGTTAA GATTAGGTAA AATTATTTAA CAATATATGT	300
30	TATTTGTATA TGACTTGTAA AATATCGTCA CTTATTATGT AAATTTTCAG TGGTGGNAAT	360
	GGCCAGTTTG CCAAGCACTG GTTTGACCAN ATGGNGGCAN	400
35	(2) INFORMATION FOR SEQ ID NO: 4099:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 350 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4099:	
45	ATCCTTTTCC ACTTAACATA TATTTTGGGA CCTTACCTGG TGGTCTGGGC TGTTTCCGGA	60
	CCGAACACGG NACCTTATCA CCCATGTTCT GACTCCCAAG TTAAATTAAT TGGCATTCGG	120
50	AGTTTGTCTG AATTCGGTAA CCCGAGAGGG CCCCTCGTCC AAACAGGGCT CTACCTCCAA	180
	TAATCATCAC TTGAGGCTAG CCCTAAAGCT ATTTCGGAGA GAACCAGCTA TCTCCAGGTT	240
	CGATTGGAAT TTCTCCGCTA CCCTCAGTTC ATCCGCTCAC TTTCAACGTA ATCGGTTCGG	300

	(2) INFORMATION FOR SEQ ID NO: 4100:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4100:	
	TAGAACTTGT TGCCAAACAG CATGCTTAAT TTCAATATCT TCTTTGACTG CTTCGATATA	60
15	TAAATCAGCA TCATCATTTA CCAAGTCATC ATCAAAATTA CCATATGTTA AATGACTCGC	120
	TAGATTTAAG TCGAATAGTA GCGGCCGTTT CTTATCTGTA ATTTTATCGT AAGATTTTT	180
	CGCAATGAGA TTTGGATCGT TTTTGTCCAC TACAATATCT AATAGTTTTA CTTTAAGTCC	240
20	AGCATTCACA AAAAGTGCTG CCAGTTGGAG CGCCCATTGT GCCTGCGCCA AGAACGGnTA	300
	CTTTATTAAT TGGTCATAGT GANTCCNCCC ATTTAGTTGA GGGATAAGAT AACCATT	357
	(2) INFORMATION FOR SEQ ID NO: 4101:	
25 30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 346 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4101:	
35	TAACTCAGGC TGGGGACATA AATCAATATT CTATGCTCTA CGAATTATAT TGGCAGTAGT	60
	TGACTGGnCG AAAATGCGCT TGTAACAAGC TTTTTTCAAT TCTAGTCAGG GGCCCCAACA	120
	CAGAGAATTT CGAAAAGAAA TTCTACAGGC AATGCGAGTT GGGGTGAGGG CCCCAACACA	180
40	GAAGCTGACG AAAAGTCAGC TTACAATAAT GTGCAAGTTG GGGATGGGCC CCAACAAAGA	240
	GAAATTGGAT TCCCAATTTC TACAGACAAT GCAAGTnGGG GTGGGACGAC GNGATAAATT	300
	TTGCGAAAAT ATCATTTCTG TCCCACTCCC ATCAAAAGAA TGACAT	346
45	(2) INFORMATION FOR SEQ ID NO: 4102:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AATGATGAAA ATCAATTAGA CAAAGCAGGT AAATTAAGTG ATGTCGCGTC ATTTAAGGAA	60
	GCGATTCACA ATCGAGAATC ACAAAGTACA ACTGGTATCG GCGAAGGTAT TGCCATTCCA	120
5	CATGCCAAAG TGGCCGCAGT TAAGTCACCA GCTATTGCGT TTGGTAAATC TAAAGCAGGC	180
	GTAGATTATC AAAGTTTGGG ATATGCAACC AGCACACTTA TTCTTTATGA TTGCAGCGCC	240
	AGAAGGTGGC CCCAAACACA TTCTAGATGC TTTACTAAAG TTGnCTGGTA TTTTAATGGG	300
10	ATGAAAATGT ACGTGAGGAA ATTnTTACAT GGCTTCATCA nCTGAAGAAG TACTAGCGAT	360
	CAT	363
15	(2) INFORMATION FOR SEQ ID NO: 4103:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4103:	
25	GAGTGCAGCG GATAACATTA AACCGACGAC ANCTITITTA TGTTCAGGTT TAGCTGTGTG	60
	ATAAATTGCA AGTGCGGCAC CACATAAGCC GAACATCATC GTAATAAAAC GGCCTGACAT	120
	AAAGCGTGAC ACACCTGAAT AATACTTCGT CACATCTGGA TCACCAAGTT GAGCAAAGAA	180
30	GATGTTCTGC GTACCTTGAA CTAAGTGCCC TTTGACTTCT AAAGTACCAC CAAGTGCCGT	240
	CTGCCAAAAC GGTAAGTAAA AAATATGGTG TAAACCGAGT GGACCTAACA ATCTTAAGAT	300
35	GAAGCCATAA rCAAAAGTAC CSGTTGGCAC CTGTTLTCGT TACAAATCCA CCAACATGLK	360
	AaTGCCGGTT TGTATGGTTG GCCCAAnTGA nAACATCATA	400
	(2) INFORMATION FOR SEQ ID NO: 4104:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 358 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
<b>4</b> 5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4104:	
50	AATTGAGAAT TTGTCGCTAT TTGTAAATTG TATCCTGGCT TAAGTTGGCC AAAGTGTCTT	60
50	ATTTTTTAA AGTATTTAAA AGTAAAATTA CATGTTAATA CGTATATTAA TTGGCGAGAC	120
	TCCTGAGGGA GCAGTGCCAG TCGAAGCAGG GGCCCCAACA CAGAAGCTGA CATATAGTCA	180

	CAAAAATTCT ATTTATAGAA TTTTACAGTA ATGTGCCAGA TGGGCATAGC GACCCATTCA	300
	ATACGANTAT nTGANTAAAT AGAGAACAGC AGTAAGATAT TTTCTAATTG AAAATTAT	358
5	(2) INFORMATION FOR SEQ ID NO: 4105:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4105:	
	GACGCGTTAC CAAATGGCGG AATTAAAGCA AAATCTTCAA TITCAATGAA CAATGTGACG	60
	TATACGACGC AAGACGAACA TGGTCAAGTT GTTACAGTAA CAAGAAATGA ATCTGTTGAT	120
20	TCAAATGACA GTGCAACAGT AACAGTGACA CCACAATTAC AAGCAACTAC TGAAGGCGCT	180
	GTATTTATTA AAGGTGGCGA CGGTTTTGAT TTCGGACACG TGGAAAGATT TATTCAAAAC	240
	CCGCCACATG GGGCAACGGT TGCATGGCAT GATAGTCCAG ATACATGGAA GGAnTACAGT	300
25	CGGTAACACT TCATAAAACT GCGGTTTGTn ACCATTACCT AATnGTCAAG GGTACGGCGT	360
	TAATGTTTGA AGGTTCCCGT TCCAAGGTTT TTTCCCGTTT	400
30	(2) INFORMATION FOR SEQ ID NO: 4106:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4106:	
40	GAAGTTAAGC TCCTTAGCGT CGATGGTAGT CGAACTTACG TnCCGCTAGA GTAGAACGTn	60
	TGCCAGGCAG TITTTTAATC AAATTTTGGT TAAAAAATAA AATGGACAAG ATAAAAAAAG	120
	TTATTGACTT AAATGTTAAT AAAATGTATA ATTAATTCTT GTCGGTAAGA AAAATGAACA	180
45	TTGAAAACTG AATGACAATA TGTCAACGTT AATTCCAAAA AACGTAACTA TAAGTTACAA	240
	ACATTATTTA GTATTTATGA GCTAATCAAA CATCATAATT TTTCATGGGA GAGTTTGGAT	300
50	CCTGGGCTCA GGATGGAACG CTGGGCGGCG TGCCCTAATA CATGGCAAGT CnGAGCGAAC	360
-	GGGACGAGAA GGCTTTGCTT CTCCTGGATG TTAACCGGCn	400
	(2) INFORMATION FOR SEQ ID NO: 4107:	

(A) LENGTH: 343 base pairs

5	(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4107:	
10	GATTGTGCCA CGCTTTTAAC CGAAATACAA CATCATCATT GACAATTTGT TGATTTGAAA	60
	AATCTTTCTC TTCAATAAAT ACATACGTTT GCATCGTATG TGCTTTCATG TAACTCAATA	120
	TTGGTTTTAA ATGCATTTCA GGAATTAAAT AATGTTTACT AGAACCTGCT GTCGCTACAA	180
15	GTCCTATTAC CTTGTCACGA AACGCATTGA CTGGAAGTAG ATCAAACACA TTTnnCAAAG	240
	CACCAGGGAT GGAAAGCTTG AAAAATTGGA AAACCAATAA AAATCACATC AGCCTGCATT	300
	AACGACGTCG TTAATTTATA TACATCTCCT GTAGTATCTA GnT	343
20	(2) INFORMATION FOR SEQ ID NO: 4108:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4108:	
	ATACAAAACA CCAGGTCGTG AAGATAAACA ATCACAAGCG GCTACTGCTT CAGCAACTGA	60
	ATTACCATAT GCAGTATTAG AAGCTATGGG TGGCAAAGCA AACATTAAAC ATTTAGACGC	120
35	TTGTATCACA CGTCTACGGT TGAAGTTAAC GACAAATCTA AAGTTGATGT TCCTGGTTTG	180
	Anagatttag gcgcatctgg tgtattagaa gtcggcaata atatgcaagc aatttttggt	240
40	CCTAAATCTG ACCAAATCAA ACATGAAATG CAACAGATTA TGAnTGGTCA AGTAGTAGAA	300
40	AATCCTACTA CTATGGAAGA CGATMAAGAC GAAACTGTTG TGGGTTGGCA G	351
	(2) INFORMATION FOR SEQ ID NO: 4109:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4109:	
	CCTTTTCAA AATCATTGGA TGCATCGATA AATAGTACGT TGTCGTCTTG TTGGCGACAT	60
5 <b>5</b>		

	CCAATCACGG CTTCTAAGTA GTTCTTTTCT TCTATTAAAT AGCGACGNAT CACACCTTCT	180
	GCGGCACCAC GGAATAATAC ACCATGTGGG AGTACGACTG CNATGGTACC TTCATCGTCT	240
5	AAGGTAATGT ACCCTGTGGT TGAATAAAGG CAAAATCTGC TTTGGGATTT TGGCGCAACT	300
	TTGCCCGTAA CCACTGAATC GTTCATCATT TTCAAATTTT TGAATCnGCT GGTCCATTCG	360
	CACTGTA	367
10	(2) INFORMATION FOR SEQ ID NO: 4110:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4110:	
	GTCGTCCGAT TGAAGGATGG AGTACTGTCG CATTTGCGAA AGACTGGCAA GGACCACCAC	60
	GTTTGCAAAA CGGAACAAGT TGGTTCTATT TTGCAACAGA CCAATGGAAA TATGAAGAGT	120
25	CAAATGTAGA TCGTTTAAAA TCTCCATTAG CTAAAACAGA GGAGTTAAAG CATCAACATC	180
	CAGCTGATTA TAATGTTTTA GCAGCTAGAC TTGGTTGGTT ACCATCATAT CCACAATTTA	240
	ATAAAAATAG TTTGTTGTTT GCAGAAGAAG CTAAAGATGA AGGTATAGAT TCAAATGAAG	300
30	CGATTTTGCC ACGTGCAATT GATGAAGTGA ATCAAAACCA AACACCATTT GCCATANGAA	360
	AATCCTGATT TGGAAAAGGA TCCTnCCAAA ATCCAnnATT	400
35	(2) INFORMATION FOR SEQ ID NO: 4111:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4111:	
45	TCAGATGAAG CTAAAAGTAA AGGTATTACA TGTGCAAGTG CAGGTAATCA TGCTCAAGGT	60
	GTTGCCTATA CAGCTAAAAA ACTTAATTTA AACGCTGTTA TCTTTATGCC AGTCACTACA	120
50	CCTTTACAAA AGGTAAATCA AGTAAAGTTC TTTGGAAATA GTAACGTTGA AGTTGTACTC	180
50	ACTGGTGATA CATTTGATCA CTGTTTAGCT GAAGCTTTAA CTTATACAAG TGAACATCAA	240
	ATGAACTITA TAGATCCATI CAATAATGIT CATACAATTI CIGGACAAGG TACGCTIGCI	300

	AATTGGTGGT GGCGGTTTAA TTTCCAGTAT TAGTACTAAC	400
	(2) INFORMATION FOR SEQ ID NO: 4112:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 362 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPCLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4112:	
15	GCCCTTAATA ACTTAATCTA TGTTTCCACC ATTTTTATAA GTCAAACGCT CACATACGGC	60
	TTCGTTTTCA TTATTTTAAA TGCTCATTTA CATAAGTAAA CTCTGCTTTA AAATAATTTA	120
	ACTCATTGTC TGCTAAACGT TTTCTTTTAT AAAAAGATTT AAACGCGTTA TTAATCTTGT	180
20	GAGTGTTCTT TCGAACACTA GCGATTATTT CTTATGAATT CAAGCTTATT TAAAACTCTT	240
	TATTCACTCG GnTTTGCTTG GGAAAATCTA TATTTTACnT ACTTATCTAG TnTTCAATGT	300
	ACAAATAATG GTGGGCCCAA GTGGACTCGA ACCACCGACC TCACGCTTAT CAGGGCGTGC	360
25	GG _	362
	(2) INFORMATION FOR SEQ ID NO: 4113:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4113:	
	CAGGTGGTTT TGCGAAAAGT GAAGTATGGC GTCAAATGAT GTCAGATATA TTTGACACAG	60
40	AGTTAGTGGT TCCTGAAAGT TATGAAAGTT CATGCTTAGG TGCCTGCGTG CTCGGACTTA	120
	AAGCTGTAGG TGACATTGAA GATTTTTCAA TCGTTTCATC GATGGTCGGT GCCACAAACA	180
	ATCATACGCC GATTGAAGAA AATGTCACTG TTTACCAAGA GATCGTATCC ATTTTTATCA	240
45	ATTTAAGTCG TTCTTTAACA GAGAATTATG ACAAATTGCA GATTTCAACG CCACATATCG	300
	CTGAAATAAA ACnCCATAAA TACGnCACTC AAGCATCTTA GATAAAGTTG TNGGCCATGC	360
	TAC	363
50	(2) INFORMATION FOR SEQ ID NO: 4114:	
	(i) SEQUENCE CHARACTERISTICS:	
	(A) LENGTH: 394 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4114:	
	GGTCTGGGCT TGGTTCCGGT TCTGGGTCTG GACTTGGTTC TGGATCTGGC GTTGGTTCTG	60
10	GTTCTGGGTC TGGACTTGGT TCTGGGTCAA CCGGCGGCCC TGGAGTTGGG TCTTTCGGAT	120
	TTACTGCTGA ATCACCATCA GCACTTCCAC CACCATAACG TACAACATTC TCATTATTCC	180
	AACCGAAAAT ACTGTAGTCT CTATTTGTTA CAGGATCAAC ATTTTCTTGA ATAACCTGAG	240
15	TTTTTAAGTT CTTACCTGTA TTGTCGTAAT GCCCTTCTAC TAATACTACA TATGTTTTAG	300
	TAATATCACC AAATTAATAC TAGCTACATT GGATGCnCAT AATAGATCTA TTTTAAATGG	360
	nCTGTACTCC TTAAGGTAGA GCATTGGACT GCAn	394
20	(2) INFORMATION FOR SEQ ID NO: 4115:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4115:	
	GGCGATTATA TTAAAAAGCC AATTACAGAA TGTAGTGGTA ATGAAATATG CCAAGAATGG	60
	CTGTATCACT TAGGTGTATC AACTGACAAA ATTGAAGACT TAGCAAAACA TGCATCTAAT	120
35	ACGATTCCTG TTTATATGCC ATATATCACA TCTTATTTCA TGACGCGTGC TATCGGCGAC	180
	AGACCTTTAG TCGTCCCGCA TCAATCTCAG AACTTAGCAT TTATTGGTAA CTTTGCCAGA	240
	AACAGAGCGA GACACTGTAT TTACAACAGA ATATTCGGTT CGTACTGCCA GGGAAGCTGT	300
40	TTATCAATTA CTAAATATAG ATCGTGGTAT TCCAGAAGTC ATCAATAAGT CCATTGGATC	360
	TTnCGCGTnC TTAATGGGAT GGCCATATAC GAACTGGATG	400
45	(2) INFORMATION FOR SEQ ID NO: 4116:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4116:	

2831

	TTAAAGGGCG AAATAGAAGT GCCGGGCGAT AAGTCAATGA CACACCGTGC AATCATGTTG	120
	GCGTCGCTAG CTGAAGGTGT ATCTACTATA TATAAGCCAC TACTTGGCGA ATGTCGTCGT	180
5	ACGATGGACA TTTTCCGACT GTTAGGTGTA GAAATCAAAG AAGATGATGA AAAATTAGTT	240
	GTGACTTCCC CAGGATATCA ATCCTTTAAC ACGCCACATC AAGTATTGTA TACAGGAAAA	300
	TTCnGGGTAC GACAACACGA TTATAGGTTG TTAAGTGGGT TAGGTATTGA AAGTGGTTTG	360
10	GTCnGGGCGA ATGTTTTCCA ATTGGGTAAA AGGCCCATGG	400
	(2) INFORMATION FOR SEQ ID NO: 4117:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 389 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4117:	
	AATAAAAAGG AACAAAACGA TGGCTATTGA TATGGACACA AATCATAAAT AGCTGCTTTG	60
25	TTCCTTTTT AATTTATATA TTTANAATAC ACATATTCAA GAGCCTCGAG ATATAAGTCA	120
	ATGTACTAGG CCACACAATT TAATATTGAC AGTAATTACC CGAACGAAAA TGCGCCCCGG	180
	GGCCCCAACA TGGGGAATTT CGAAAAGAAA TTCTACAGAC AATGCAAGTT GGCGGGGCCC	240
30	CAACATAGAA GCTGGCCAAT AGTTAGCTTT CAATAATGTG CCAGTTGGGG TAAGGGCCCC	300
	AACACAGAAG CTGGCCAATA GTCAGCTTTC AATAATGTGC CAAGTTGGGG TAAGGGGCCC	360
35	CCACCACAGG GAATTTCGAA AGAAATnCT	389
	(2) INFORMATION FOR SEQ ID NO: 4118:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 371 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4118:	
	AGGTAGGACT CGAACCTACG ACCGATCGGT TAACAGCCGA TAGCTCTACC ACTGAGCTAC	60
50	TGTGGATTAA TATTATGCCT GGCAACGTTC TACTCTAGCG GAANTAAGTT GACTACCATC	120
	GACGCTAAGG AGCTTAACTT CTGTGTTCGG CATGGGAACA GGTGTGACCT CCTTGCTATA	180
	GTCACCAGAC ATATGAATGT AATTTATACA TTCAAAACTA GATAGTAAGT AAAAGTGATT	240

	ACATGTCACC ATGCTTCCCA CCTCGAACCT ATTAAACCTC ANCATCTTTG AAGGGGATCT	360
	TAThAACCGA A	371
5	(2) INFORMATION FOR SEQ ID NO: 4119:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 341 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4119:	
	GCACTATTAG CCCAGTTAGA GAAAGATTGA CCTAATCTAT CCAACCAATC AGCCGACCAT	60
	TGAAACAGTG GTGCTAATTG CGGTGAATAC ATTGACTAAT CCGTCACCAA AACCACCTGC	120
20	AGCACTTAAT AGCTTGTTAA ATACCGAAAC ACCCGTTGTA TTCATCATAT TAAAGAATCT	180
	TGAAGCTACA CTGCTATTTT CAGCCCATTn AAGCACGCTT TGAGACGCTT CTTCCATTCC	240
	TCTTGAAATA CCACTAAAAA ACGGNTGTAA GCTCTGCATT GCAGTTTTAA CAGTATTTAA	300
25	ACCATTTGCA AGAGTTGTGA AGNTAGCGGA TTGATTTTGC T	341
	(2) INFORMATION FOR SEQ ID NO: 4120:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4120:	
	GGTTGAGAAA AGCCAACACA GCTAGGGTAG TATCCCACCA GCGCCTCCAC GTAAGCTAGC	60
40	GCTCACGTTT CAAAGGCTCC TACCTATCCT GTACAAGCTG TGCCGAATTT CAATATCAGG	120
	CTACAGTAAA GCTCCACGGG GTCTTTCCGT CCTGTCGCGG GTAACCTGCA TCTTCACAGG	180
45	TACTATGATT TCACCGAGTC TCTCGTTGAG ACAGTGCCCA AATCGTTACG CCTTTCGTGC	240
	GGGTCGGAAC TTACCCGACA AGGAATTTCG CTACCTTAGG ACCGTTATAG TTACGGCCGC	300
	CGTTTACTGG GGCTTCGATT CGTAGCTTCG CAGANAAACG CACTTCCTGT TAAACCTTTC	360
50	CAGCACCGGn CAGGCGTTCA CCCTnATTAC ATCAACTTTA	400
	(2) INFORMATION FOR SEQ ID NO: 4121:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4121:	
	AATAAATCTT GCTTTATTCT TTTTACCAGT AATATCTAAA TGAGTTGGAT ATTTAACTTT	60
10	CGCATTAATT TCAATATTAA ATTGCGTTAC CGCGACAAGC GCAAACACAA CATACATAAT	120
70	AAGATTGGCT AAAAAGATAT AGTTAAAGCT AAATTCTGCG ACAAAGCCGC CCATTGCAGC	180
	ACCGACAGCC ACACCAATAT TTTGCGCTAA GTATATCGCA TTAAACGTTT GTCTTCCGCC	240
15	ATTTGGCCAC ACTGCTCCAG CCATAGCGTA TATCGCAGGA ATAATCATTC CGCCACCAAA	300
	CCCTAACATT ACCAGGCCAT ACCAGCATAC CCAGGGCCAC CCGnGGAAGG AAATTAAGTA	360
	GCGGTGGTAC TACCAANGAC CAGTGGAAGG TNCCAATTAA	400
20	(2) INFORMATION FOR SEQ ID NO: 4122:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4122:	
	GATAACTAAT AAAGTTTAGT TAAGTATTTT AATAACAAGT AGTATGTCAT TCTAGTAGCT	60
	AGAACAGATA TACTACTTGT TTGTTTTTGT GGAAAATTGA GTATATTCAA AAGGATAAGn	120
35	ACGAGAATTT CGTTATTAAA CTACGAATTC TCGATTTTTT TATATTTTAA GATAGGTTTA	180
	TTTCTGAAAA CTTAATAGAA AGGGGTTTGA CAAAGCTAAA GTGAAGTTTG ACGGTATAAA	240
	CGCAAATTAA ATATACTTTT ATAGAAAATT AACTCAGGCT GGGACATAAA TCAATATTCT	300
40	ATGCTCTACG GAGGTATATT GGCAGTAGTT GACTGAACGA AANGCGCTTG TNACCAGCTT	360
	TT	362
45	(2) INFORMATION FOR SEQ ID NO: 4123:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEOUENCE DESCRIPTION: SEO ID NO: 4123:	

	CGCGAGGTGG TTTACAAGGA TTGTTGACAT TTCAAGACTT ACCAGTAACA AGTTATACAA	120
	TCTGGGGTGG TGTCTCAGAT ATTGATTTAA TGTATGAAGA ACGTGTCGAT TTAAGAGGCA	180
5	TGCTACGAAG AATGATTGGT CATCCGAAAA AAGATCGAGC GGGCATATGA GGCACGCCAA	240
	GCGATTCCAA ACATTAATGA nAACAGTCCG CCAATATTAA TTGTACATnG GAGGGGAAAG	300
	ACCCAGCAAG TTGGGTATTn CATCATGCGT ATTATTTTAA GCGGACCAAC TA	352
10	(2) INFORMATION FOR SEQ ID NO: 4124:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4124:	
	AACCAGGTGA TCTACCCTTG GTCAGGTTGA AGTTCAGGTA ACACTGAATG GAGGACCGAA	60
	CCGACTTACG TTGAAAAGTG GAGCGGATGA ACTGAGGGTA GCGGAGGAAA TTCCAATCGA	120
25	ACCTGGAGAT AGCTGGTTCT CTCCGAAATA GCTTTAGGGC TAGCCTCAAG TGGATGATTA	180
	TTGGGAGGTA GAGCACTGTT TGGACGAGGG GCCCCTCTTC GGGTTTACCA ATTTCAGACA	240
20	AACTTCCGAA TGCCAATTAA TTTGAACTTn GGAGTTCAGA ACATGGGTGA TAAGGTCCnT	300
30	GTTTCGnAAn GGGAAACAGC CCAGACCACC AGTTAAGGTC CCCAAATGTA TGTTTAAGTG	360
	GAAAAGGGTT TTGGCGTTGC CCCGACAACT AGGATGTTGG	400
35	(2) INFORMATION FOR SEQ ID NO: 4125:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4125:	
45	GGCTTATTAA TCAAAAAATT TATAAAGAAT ATGTAGAAAA CTTTTATTTA CATCGAGGCT	60
	ACACGCTACA ACAGAAAATT AAAATTITAA TTAGCTTATA CATTGTAATA GGTTTTTCAA	120
50	TTTATATGGT GGATGTTCTT GCAGTCCGTG TAGGATTAAT CATAATGGTT ATCATACAAA	180
50	CCGCTGTACT CTTTACATTT GTAAAAACAT TACCCAAATC AAATCATAAA ATAGAGGAGT	240
	GATTGCCCAT GTTTATGGCA GAAAATAGAT TACAATTACA AAAAGGCAGT GCGGAAGAAA	300

	TTGTCACTAA AACATTAAAT ACCGGGATAC AGCCGAGTAA	400
	(2) INFORMATION FOR SEQ ID NO: 4126:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4126:	
15	AATCTATATT TTACTTACTT ATCTAGTTTT CAATGTACAA TTTCTTTTTA GTCAAGCGCT	60
	CGCATAAGCA ATATCACTTT AACCAAAAAA TATTTGAATG TTAAATAAAC ATTCAAAACT	120
	GAATACAATA TGTCACATTA TTCCGCATCT TCTGAAGAAG ATGTTCCGAA TATATCCTTA	180
20	GAAAGGAGGT GATCCAGCCG CACCTTCCGA TACGGCTACC TTGTTACGAC TTCACCCCAA	240
	TCATTTGTCC CACCTTCGAC GGCTAGCTCC TAAAAGGGTT ACTCCACCGG CTTCGGGTGT	300
	TACAAACTCT CGTGGGTGTG GACGGGGCGG TGTGGTACAA nGACCCGGGG AACGTnATTC	360
25	Ancegtagea tegetegate taaceattta ctanecegat	400
	(2) INFORMATION FOR SEQ ID NO: 4127:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4127:	
	CGAAATTTGT AGTAAAAGAT GTGCAACCAG CGAAACCAAC TGTGACTGAA ACAGCGGCAG	60
40	GAGCGATTAC AATTGCACCT GGAGCAAACC AAACAGTGAA TACACATGCC GGTAACGTAA	120
	CGACATACGC TGATAAATTA GTTATTAAAC GTAATGGTAA CGTTGTGACG ACATTTACAC	180
45	GTCGCAATAA TACGAGTCCA TGGGTGAAAG AAGCATCTGC AGCAACTGTA GCAGGTATTG	240
45	CTGGAACTAA TAATGGTATT ACTGTTGCAG CAGGTACTTT CAACCCTGCT GGATACAATT	300
	CCAAGTTGGT TGCAACGCCA AGGAAGCGGA GAGACCAGTG AAGTGATTGA GCCACCGTAA	360
50	TGGTTGGnTT CCCCAGTTTG TCGGCAnCCA CAACCGGAAC	400
	(2) INFORMATION FOR SEQ ID NO: 4128:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 400 base pairs	
55	(ii) Ballotill to a land Enter	

	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4128:	
	GATTAGTGAA AAGTTGGTTG TACTATTACC GTTAAAATTT GGAGATTATC TGTCGTCTTC	60
	AAGTATGCGT TCATTAATTG ATATTGGCGC ACCGTATAAC CATGTCAAAG TACCATTTGC	120
10	AATGCAGTCA TTAGGCGCAT TAAGGCTAAC GCCTACGCGT TACATGAAAA ACGGAGAACA	180
	AGCAGAACAA TTATTACGTC AGCTTATAGA AAAAGATGAA GCACTAGCTA AGTATGTCAT	240
15	GGGTTGTGAT GAAACAGCTT GGTGGTCATA TATGGGTCCA GATAATGATA TTTTCCAAGA	300
	TCCATTAnGG CCATCTAACT GTTCCAGCTA AGGAAAGTAT CCCCGAAGTG GCTAAGCCCA	360
	AAAATGATTA CGCCAACCAG CTAGTGGTCC ATmGGCCAGC	400
20	(2) INFORMATION FOR SEQ ID NO: 4129:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4129:	
	AGAGGTCCGT TGCCTTACCG CTTGGCTATA GCCCAATATA TAGATGGNGG AGGGGGGCAG	60
	ATTCGAACTG CCGAACCCGA AGAGCGGATT TACAGTCCGC CGCGTTTACC ACTTCGCTAC	120
35	CCCTCCAGCT TATTCATATA ATTTAATAAT CAAAATGGTG GAGAATGACG GGTTCGAACC	180
	GCCGACCCTC TGCTTGTAAG GCAGATGCTC TCCCAGCTGG AGCTAATTCT CCAAAATAAT	240
	GACTCCTGAC GGGACTCGAA CCCGTGTTAC CGCCGTGAAA GGGCGTGTTC TTGAACCGCT	300
40	TGGACCAAGG GAGCCATGGC TCCAACAGGT GAGGGACTCG AACCThACGG ACCGATTCGG	360
	TTnAACAGCC GGAT	374
45	(2) INFORMATION FOR SEQ ID NO: 4130:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 431 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4130:	

	ATTAAATTTC AGTTGTTGCA ATTTCTTCAT CTGTAGGTAC ATCATCGTTA AGGCCAACAA	120
	GTGCTTCAGA AACATTTCGT GAATGATAAC CGATACGTTC AAGAACTCSA ATCATATCGA	180
5	TATATAGTAA TCCGCCTTTT GTTGTACATT CACCACGATT AAGGCGTTTA ATATGACCTT	240
	TGCGTAGTTT ATGTTCAATA TTAAATGATT CTCTACTACG TTCTACAATT TCATCTTTTT	300
10	TCGTTTTGTC ATAAACATCT AACATGTCGA TGGCTTTATC AAATGACTCA GCAACATGGT	360
	TGGAATAAnT TATCCATACC GCGTTGTGCA TCTnCTGGTA ATGCGAATAT CTTCATCATG	420
	TTGGCGGTTT T	431
15	(2) INFORMATION FOR SEQ ID NO: 4131:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4131:	
25	TTTAGTTGAA GGCGGTGTTG TCGCATTTGC TGTTTGTTGC GGTGCTTCTA CTTTAGTTGA	60
	GGGCGGTGTT GTCGCGTTTG GTTTTGATTG CGGTGCTTCT ATTTTAGTTG AGGGCGGTGT	120
30	TGATGTGGTG CTTCCACTTT AGGNAANTGA GTGTTGTCGC GTTTGCTGCT TGCGTTGTCG	180
00	TTGTGATTAC ACCTGTTGTT AAAAGGCCTA GTGCTAAACT TGTTTTAGCA ATCGTTGTTA	240
	TTTTCATAGT TGTATGCTCC ATTCGTAATT ATTAGATTTG TTCGATACAT TCATTGAATC	300
35	ATACAGCTTT ATTATAGAGG CGTATTGCTC CATTCACATT AAACCTGTnT AACCAGATTG	360
	GAAGCAGCGT TGAAThAAAT GAAGAAAGCC AGAAGTTCGT	400
	(2) INFORMATION FOR SEQ ID NO: 4132:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4132:	
50	CCATTCACTG TATGTCTTTG GCCACCACCT TGACGTTGTT GTTGCTGTTG TTGATTTTGA	60
	TTAGCTTGTT GTTGATTTTG ATTATTTTGT GCTTGATTGT TCGCTTGATT AGCGTTGTTT	120
	TGATCATTAT CAGATTCATC TTTAGTCGCT TTGTCTTGAT CCTCTTTTGA TTTATCACTG	180

	TCAGCATTAT TTTTATTTGT ATTCGCGATT TTATTTTCTT TTGTACCATT ATTATGATTG	300
	TTTAATGCCA TGCCTCCAAA TATCGCTAAA TGCACCGATA AATnAGTACA GCTGCAATGA	360
5	ATGGTAACAA TACTTTGGGC CAGnCACCGT TTTTACGGTn	400
	(2) INFORMATION FOR SEQ ID NO: 4133:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 417 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4133:	
	TTGAATACTT TTCTTCCACA CAAATGTATA TCTATTGGCA TTAGCTTCTA CTTTTGTACC	60
20	ATCAATAAAA ATTGAATTAT TATCAATAAG ATTTTGCTTT AAACATTGAC TATGGAACTG	120
	AATAAATAAA GATTCAATTA ACGCATCAGT ATTAGGATTC ACTCTAAAAC GATTAATAGT	180
	TTTATAAGAA GGTGTTTGAT TTTGAGCTAA CCACATCATT CGAATACTGT CATGAAGTAA	240
25	TTTCTCTATT CTTCGACCAG AAAATACAGA TTGAGTATAT GCATATAAGA TGATTTTTAA	300
	CATCATTTTT GGGATGATAG GATGTTGCGC CACGATGATG TCTGAATTCA TCGAATTCGC	360
30	TAnCGGGTAC CGTTCCACCA ATTCCATTAA CATATCGCGG AATATCATTT TGAGGAA	417
	(2) INFORMATION FOR SEQ ID NO: 4134:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 354 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4134:	
	GGTTTAATAT GGACCTTTGC CGTnTTTATG TTCAATATTA AATGGATTCT CTACTACGTT	60
	CTACAATTTC ATCTTTTTC GTTTTGTCAT AAACATCTAA CATGTCGATG GCTTTATCAA	120
45	ATGACTCAGC AACATGGTTG nAATAATTTA TCCATACCGC GTTGTGCATC TTCTGTAATG	180
	CGNAATATCT TCATCATGTT GGTCGTTTTA ATTGAGCGAC ATACTCTTCT GTTAGCTCTG	240
60	CTACTTTTAA AATAGAGCGA TTGACATCAA ACATAACTGC TAAACGCTCA ACGTCTGCCT	300
50	TCGTAATGGC TTTTGTAGAA ATTCTAACTA AATAATTTCG AATGCTATCA TTGT	354
	(2) INFORMATION FOR SEQ ID NO: 4135:	

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4135:	
10	CTGGGATCGC CACCTTTAAG TCTAACAACC TTGTTATATC GACGCGCTGC TTCCACGATA	60
	CAGTCATTTA TTTTTCTTG CTGAATATGT TTTGCATACG GCTTTTTACC AACATCGATA	120
	ATTTCAGTAG TCAAATTCGC ATATTGTAAA ATTAACGGAT TCACTAATCG ATCATATAGA	180
15	ATGACATCCG CTTCACGTAT TAAACGCTCA GCCTTTTTCG TCAAATAATT CGGATTACCT	240
	GGACCCGCAC CTATCAAGTA AACCTTGCCA TATTCCTCTA CAGACATATA TATACGGTCC	300
20	CGTCTGTAAC TTCTACCTCA TAAACATCTA CACAACCTTC ATCAGGTCTG GACAATACCT	360
20	GRATTAAACA ATTTTTGATC GTGGGGGGGC AAATACATAT	400
	(2) INFORMATION FOR SEQ ID NO: 4136:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4136:	
	ACCACTGAAT CGTTCATCAT TTTCAAATTT TGAATCTGCT GTCCATTTCG CACTGTATGG	60
35	TGGGTTCGCA ATAACCGCAT CAAATGTATT GCCTAAAAAG GCTGGATTTT CCAATGTGTC	120
	ATCATTACGG ATCTCGAAGT TCTCATAACG CACATCATGT AATAACATAT TCATGCGTGC	180
40	TAAGTTGTAT GTAGTATTGn TACGTTCTTG TCCGAAATAA CGATACACTT GCGTTTCTTT	240
	ACCAACACGT AACAACAATG GAACCGGAnC CACATGTTGG GTCGTACACG TGGACGTAAT	300
	TTATCHTTAC CGTGCTGTGA CAATCTTCGC CAGTATCTTA GATACTTG	348
45	(2) INFORMATION FOR SEQ ID NO: 4137:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4137:	

	TGGACAATAC AAAGGGCAGC GAAACCGCGA GTCAAAGCAA ATCCCATAAA GTTGTTCTCA	120
	GTTCGGATTG TAGTCTGCAA CTCGACTACA TGNAAGCTGG NAATCGCTAG TAATCGTAGA	180
5	TCAGCATGCT ACGGTGAAAT ACGTTCCCGG GTCTTGTACA CACCGCCCGT CACACCACGA	240
	GAGTTTGTAA CACCCGAAGC CGGTGGAGTA ACCTTTTAAG GAGCTAGCCG TCGAAAGTGG	300
10	GGACAAATGA TTGGGGTGAA TCGTAACAAG GTAAGCCGTG ATCGGAAAGG TGCGGCTGGG	360
10	AT	362
	(2) INFORMATION FOR SEQ ID NO: 4138:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 384 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4138:	
	ACATATCGAT AACATGACAT AACTCATGCT GGGTTTCCCC ATTCGGAAAT CTCTGGATCA	60
25	AAGCTTACTT ACAGCTCCCC AAAGCATATC GTCGTTAGTA ACGTCCTTCA TCGGCTTCTA	120
	GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT ATGTTTCCAC CATTTTTATA	180
	AGTCAAACGC TCACATACGG CTTCGTTTTC ATTATTTTAA ATGCTCATTT ACATAAGTAA	240
30	ACTCTGCTTT AAAATAATTT AACTGCATTG TCTGCTAAAC GTTTTCTTTT ATAAAAAGAT	300
	TTAAACGCGT TATTAATCTT GTGAGTGTTC TTTCGAACAC CAGCGATTAN TTCnTGAGGA	360
35	ATTCAAGCCT AnTTAAAACC CTTA	384
	(2) INFORMATION FOR SEQ ID NO: 4139:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4139:	
	CTCATTATGG GACGTGCACA AGATGGTTTT CTTGATCAAG ACAAATATGA CATTATTTTC	60
50	AAAACAGCTG AAAATTTAGA CGTACCGATT TATCTACATC CCGCGCCAGT TAACAGTGAC	120
	ATTTATCAAT CATACTATAA AGGAAATTAT CCTGAAGTAA CTGCGGCAAC ATTTGCTTGT	180
	TTTGGTTATG GTTGGCACAT TGATGTCGGC ATTCATACAA TACATCTnGT nTnATCTGGT	240

	TCCTTAGAAC GAATGGATGA AGCTTATCCG TGAACATTTG AACCACCCCG GAAGCAATAC	360
	TTAAAAATAA ATTTAnTATC ACACCGGGTG GCATGGTACC	400
5	(2) INFORMATION FOR SEQ ID NO: 4140:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4140:	
	CAACCACATT CGCTCGGCTC ACCTTAGAAT TCTCATCTTG AACTACCTGT GTCGGTTTGC	60
	GGTACGGrCA CCTATTTCT ATCTAGAGGC TTTTCTCGGc AGTGTGAAAT CAACGACTCG	120
20	AAGACTCAAT GTCTTCTCCC CATCACAGCT CAGCCTTAAC GAGTACCGGA TTTGCCTAAT	180
	ACTCAGCCTT ACTGCTTAGA CGTGCAATCC AATCGCACGC TTCGCCTATC CTACTGCGTC	240
05	CCCCCATCGA TTAAAACGAT TATAGGTGGT ACAGGAATAT CAACCTGTTA TCCATCGCCT	300
25	AAGCCTGTCG GGCTCAGCTT AAGGACCCGA CTAACCCCAG AACCGGAAGA GCCTTCCTCT	360
	GGAAAACCTT AGTCAATCCG TTGGACCGGG ATCTCAACCG	400
30	(2) INFORMATION FOR SEQ ID NO: 4141:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4141:	
40	CATATCGATA ACATGACATA ACTCATGCTG GGTTTCCCCA TTCGGAAATC TCTGGATCAA	60
	AGCTTACTTA CAGCTCCCCA AAGCATATCG TCGTTAGTAA CGTCCTTCAT CGGCTTCTAG	120
45	TGCCAAGGCA TCCACCGTGC GCCCTTAATA ACTTAATCTA TGTTTCCACC ATTTTTATAA	180
	GTCAAACGCT CACATACGGC TTCGTTTTCA TTATTTTAAA TGCTCATTTA CATAAGTAAA	240
	CTCTGCTTTA AAATAATTTA ACTCATTGTC TGCTAAACGT TTTCTTTTAT AAAAAGATTT	300
50	AAACGCGTTA TTAATCTTGT GAGTGTTCTT TCGAACATAG GCGGAGTATT TCTTAAGGAA	360
	TnCAAGCnTA TTTAAAACTC TTAATCACnC GGTTTTGCnT	400
	(2) INFORMATION FOR SEQ ID NO: 4142:	
55		

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4142:	
10	GTTGCGCTCT TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA GCCATTTTTC	60
	TTTGTGTTTA CTTTTTATTT TGACGTTTTA GACATAAAAA AAGAGACCTC ACGGTCTCAA	120
	CTTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTTGG CTACCATCGT CGCTAAAGAC	180
15	CTTTCTTGAC TTGTGACAAT CGCTTGCTTC TTTCCTCTCC TTCGGCTCTC GCTTACTCAT	240
	TTAGCTCTAC TAAACTCGTT GCGCTCTTTT CTCGGTTCGT CAGATTCAAA CGTTTCACTC	300
	GCCAAGCCAT TTTCCTTGGG TTACTTTTAA TTTGACGTTT AAGGCATAAA AAAAAGAGAC	360
20	TTGCGGGCTC AAATGCGGNT CATCGCATCC ATTTTTGnCn	400
	(2) INFORMATION FOR SEQ ID NO: 4143:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 369 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4143:	
	TTTAAAATTG ACATTATTAC TGACCAAACA AGTGCACATG ATCCGCTAAA TGGATATGTG	60
35	CCACAAGGAA GCGAAAGTAT TGCGTGAAAA AGATCCGAAA AAATATGTTG AACTGTCACA	120
	AGCTTCAATG GCAAAGCATG TTGAATTAAT GCTTGGAATT CCAAAAACGT GGCGCTGTAG	180
40	CATTTGATTA TGGTAACAAT ATTCGTCAAG TAGCCTTCAA TAACGGAnGn ATAAATGCTT	240
	TTGGACTTCC CAGGTTTTGT ACCAGCTTAC ATTAGACCAT TNATTCTGTG TAGGTTAAAG	300
	GGCCATTCCG CTTTGCTGCG TTGGAGTGGT GGATCCAAAA GATATCGAGC GTGCCGGATG	360
45	GAGGAAATG	369
	(2) INFORMATION FOR SEQ ID NO: 4144:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 370 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	GGAAAGATAA ATAGCTTCAT CAATGTCATG CGTCACTAAA ATAATAGTTG ATTGCGTTTT	60
	ATGTTITAGT TGCACTAGTT GATCCTGAAG TTTATAACGT GTAAATGCAT CTAATGCACC	120
5	TAATGGCTCA TCCATCAATA TAACGTTAGG CTTATGCACA TGCGCTCGAC ATAGTGCCAC	180
	ACGITGITTC ATACCCCCGG ACAGTTGCTC GGGAAAATGC TTTCCCCTGT CTTCTAAATC	240
10	AACTAATTTA AGCTGTGCnT TAATCTCTTC ATCACTAATT TTCTGTTGTA ATCCAATCCT	300
10	AATGTTGTCA TTAATCGTTT TCCAGGCAGC AAATTATGGT GTTGAAATAG CATAAACAAn	360
	CGGGAGnGGC	370
15	(2) INFORMATION FOR SEQ ID NO: 4145:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 370 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4145:	
25	CGAGGTAGCA AAGAACAAAT TGCGAAATAT GTACCTAAAT TACAGTCACA TGAACTGCGT	60
	ACATGCTTTG CTTTAACTGA ACCAGAACAC GGTTCGGACG TTGCnGGAGG TCTTGAAACA	120
30	GTCGCTGAAC GCCAAGGCGA TACTTGGGTT ATCAATGGTG AAAAGAAATG GATTGGTGGT	180
	GCACATGTAT CTGATGTCAT TCCAGTATTC GCAGTAAATA AAGAAACTGG GCAAACCCCA	240
	TTGCTTTGTA GTCAGACCAG AACAAGATGG GCGTCGATAT TGAAGTCATT GGATAATAAA	300
35	ATCGCACTTC GGCATTGTTC CTAACGCCCT AATTTNAATT AANTAATGTT CAAAGTAGGA	360
	TTGAAGCGGG	370
	(2) INFORMATION FOR SEQ ID NO: 4146:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4146:	
50	TGGGGTGTTT TTACCAATAA AGCGTTGCAA GGTGGCGGTA GTTTAATCGA TTATGGTTGC	60
	CACTTGTTAG CTACTAGGTA AAGATATGGT GCCGCATGAA GTCTAGGAAA AACATATAAT	120
	CAATTGAGCA AACAACCGAA TCAAATTAAT GATTGGGGAA CATTTGATCA TACTAAATTT	180

	GAATGTTCGT GGTCTGCAAA TATCAAAGAA GATAAGGTTC ACGTTnTTTT ATCAGGAGGA	300
	GGATGGCGGT ATCCAATTTA TTTCCATTTG GAAATATATG GNGCCCCGTT TTGGGAACNC	360
5	ATTTTTGGA AAGCCAAGCT	380
	(2) INFORMATION FOR SEQ ID NO: 4147:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 362 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4147:	
	TACTTATCTA GTTTTCAATG TACAATTTCT TTTTAGTCAA GCGCTCGCAT AAGCAATATC	60
20	ACTITAACCA AAAAATATIT GAATGITAAA TAAACATICA AAACTGAATA CAATATGICA	120
	CATTATTCCG CATCTTCTGA AGAAGATGTT CCGAATATAT CCTTAGAAAG GAGGTGATCC	180
	AGCCGCACCT TCCGATACGG CTACCTTGTT ACGACTTCAC CCCAATCATT TGTCCCACCT	240
25	TCGACGGCTA GCTCCTAAAA GGTTACTCCA CCGAnTTCGG GTGTTACAAA CTCTCGTGGT	300
	GTGACGGCG GTGTGTACAA GACCCGGGAC GTATTCACCT GGCAGCTTGn CTGGGTTTAC	360
30	nT	362
	(2) INFORMATION FOR SEQ ID NO: 4148:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4148:	
	CACCATACAT GCGAAATGGA CAGCAGATTC AAAATTTGAA AATGATGAAC GATTCAGTGG	60
	TTACGGCAAG CTTGCGCCAA AATCCAAAGC AGACTTTGCC TTTATTCAAC ACATGGTACA	120
45	TTACCTAGAC GATGAAGGTA CCATGGCAGT CGTACTCCCA CATGGTGTAT TATTCCGTGG	180
	TGCCGCAGAA GGTGTGATTC GTCGCTATTT AATAGAAGAA AAGAACTACT TAGAAGCCGT	240
50	GATTGGGTTA CAGCCAATAT TTTCTATGGG nCAAGTATTC CAACATGTAT TTAGTATTAA	300
	AAATGTCGCC ACAAGACGCC ACGTACTATT ATCGATGCAT CCAATGATTT GAAAAGGAAA	360
	AATCAAACCA TTAAGCGTGC CAAGCGACGA TATnGCnCTA	400

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4149:	
10	CAGCTATTGA TATCGATTAC CATACTGCTG TGGATAGCGA CAGGTTCACG TTGGAGGATA	60
	CACTGAGTCC TCTGAGGAAT CAAATCCAAT TGACTTTGAA GAATCTACAC ATGAAAATTC	120
15	AAAACATCAC GCTGATGTTG TTGAATATGA AGAAGATACA AACCCAGGTG GTGGTCAGGT	180
	TACTACTGAG TCTAACTTAG TTGAATTTGA CGAAGAGTCT ACAAAAGGTA TTGTAACTGG	240
	CGCnTGAGCG ATCATACAAC AGTTGAAGAT ACGAAGAATA TACACTGAAG TAATCTGATT	300
20	GAATAGTGGA TGAATACCTG AAGAGCATGn TCAGCACAAG ACCAGTCGAG GAATNACTAA	360
	AACCATCATC ATATTCnCAT CTGGTTAGGA CTGAAATGGC	400
	(2) INFORMATION FOR SEQ ID NO: 4150:	
<i>30</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4150:	
35	AAGGACGACA TTAGACGAAT CATCTGGAAA GATAATCAAA GAAGGTAATA ATCCTGTAGT	60
	CGAAAATGTT GTCTCTTTG AGTGGATCCT GAGTACGACG GAGCACGTGA AATTCCGTCG	120
	GAATCTGGGA GGACCATCTC CTAAGGCTAA ATACTCTCTA GTGACCGATA GTGAACCAGT	180
40	ACCGTGCAGG AGAAGGTGAA AAGCACCCCG GAAGGAGTTG AAATAGAACC TGAAACCGTG	240
	TGCTTACAAG TAGTCAGAGC CCGTTAATGG GTGATGGCGT GCCTTTTGTA GAATGAACCG	300
	GCGAGTTACG ATTTGATGCA AGTTAAGCAT AAATGTGGAG CCGTAGCAGA ACNNGTTNTG	360
45	AATAGGCGTT A	371
	(2) INFORMATION FOR SEQ ID NO: 4151:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 366 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4151:	
	TCAGCTTTTT TGATATGTAT TTTATAATGT ACAGCTCGTT GACNNTAATT TTCCTTATAT	60
5	TAAGTGCCAT CAATACAAAA CCTAGCTCTC GTTTAACTTT ATTTATTCCT CGAACTGACA	120
	TTCGAGTGAA CCCAAAATAG CCTTCATAAA TCCAAAAGCA GGCTCTACAT CAATTTTTCT	180
10	TTGACTATAG ATGTTTTTCG TTTCTGGTTC AGAAAGCTTT TGATTAATTT GGACTTTAAA	240
10	GTATTCCCAA TTATAATTCT TCATGGATTT TCTTATTGGG ATTTCGAATT TGGTTTCATG	300
	CATTGATGTC TCAAAGAACA TGATGGAACA GTCCAnCACA TTCCAGATAG TTTGGAAGTC	360
15	TCGTTT	366
	(2) INFORMATION FOR SEQ ID NO: 4152:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4152:	
	TTTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTTGG CTACCATCGT CGCTAAAGAC	60
30	CTTTCTTGAC TTGTGACAAT CGCTTGCTTC TTTCCTCTCC TTCGGCTCTC GCTTACTCAT	120
	TTAGCTCTAC TAAACTCGTT GCGCTCTTTT CTCGTTTCGT CAGATTCAAA CGTTTTCACT	180
	TCGCCAAGCC ATTTTCTTT GTGTTTACTT TTTATTTTGA CGTTTTAGAC ATAAAAAAA	240
35	GAGACCTTGC GGTCTCAATG CGGCTCATCG CATCCATTTT TTGCCTGGCA ACGTTCTACT	300
	CTAGCGGGAC GTAAGTGGCT ACCATCGACG CTAAGAACCT TTCCTGGACT TGGTGGACAA	360
	TCGCnTGCCT CCTTCCTCCT CCTCGGGCTC TCGGCTTACG	400
40	(2) INFORMATION FOR SEQ ID NO: 4153:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4153:	
	TGATATTCCT GTACCACCTA TAATCGTTTT AATCGATGGG GGGACGCATA GGNATAGGCG	60
	ACGTGCGATT GGATTGCACG TCTAAGCAGT AAGGCTGAGT ATTAGGCAAA TCCGGTACTC	120

	CCGAGAAAAG CCTCTAGATA GAAAATAGGT GCCCGTACCG CAAACCGACA CAGGTAGTTC	240
	AAGATGAGAT TCTAAGGTGG AGCGAGCGAA CTCTCGTTTA AGGACTCGGG CAAATGGACC	300
5	CCGTTACTTC GGGGAGANGG GTGCTCTTTA NGGGTTTACG CCCAGAAGAG CCGCATTGAA	360
	TAAGGCCCAA GCGnTGTTTT ATCCAAAACA CGGTCTCTGC	400
	(2) INFORMATION FOR SEQ ID NO: 4154:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4154:	
20	TTTTAGCAAT CATTTTAACA GTCAGTCATA TTAAAGGCTG GCTAACGATT GTTATCTnGT	60
	nCAGATTTGT AAGTTAAGAT TTCTTGTAAT GTGTATGCAG CACCATATGC TTCAAGTGCC	120
	CATACCTCCA TCTCACCAAA ACGTTGTCCA CCGAATTGCG CTTTACCGCC AAGTGGTTGT	180
25	TGTGTAACAA GTGAATATGG TCCTGTTGAA CGCGCATGTA ATTTATCATC AACCATGTGC	240
	GCAAGTTTCA ACATGTACAT TACACCTACT GAAATACGGT TATCGAATGG TTCACCTGTA	300
30	CGTCCATCAT AAAGTACAGT TTTACCATCA CGAGCCATAC CAGCTTCTTC AATTGTTGGA	360
30	CCATACATCG TCATCGTTTG CACCGTCAAA TACTGGTGGA	400
	(2) INFORMATION FOR SEQ ID NO: 4155:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4155:	
	GATCCGAAGT TACCAACAGG AGAGAAAGAG GAAGTTCCAG GTAAACCAGG AATTAAGAAT	60
45	CCAGAAACAG GAGATGTAGT TAGACCACCG GTCGATAGCG TAACAAAATA TGGACCTGTA	120
	AAAGGAGACT CGATTGTAGA AAAAGAAGAA ATTCCATTCG AGAAAGAACG TAAATTTAAT	180
50	CCTGATTTAG CACCAGGGAC AGAAAAAGTA ACAAGAGAAG GACAAAAAGG TGAGAAGACA	240
	ATAACGACGC CAACACTAAA AAATCCATTA ACTGGAGAAA TTATTAGTAA AGGTGAATCG	300
	AAAGAAGAAA TCACAnAAGT CCAGTTAATG AATTAACAGA TTCGGTGGCG AGAAATACCG	360

	(2) INFORMATION FOR SEQ ID NO: 4156:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 380 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4156:	
	CAAAGTGACA GGTGGTGCAT GGTTGTCGTC AGCTCGTGTC GTGAGATGTT GGGTTAAGTC	60
15	CCGCAACGAG CGCAACCCTT AAGCTTAGTT GCCATCATTA AGTTGGGCAC TCTAAGTTGA	120
	CTGCCGGTGA CAAACCnGGG GnAAGGTGGG GATGACGTCA AATCATCATG CCCCTTATGA	180
	TTTGGGCTAC ACACGTGCTA CAATGGACAA TACAAAGGGC AGCGAAACCG CGAGTGCAAG	240
20	CAAATCCCAT AAAGTTGTTC TCAGTTCGGA TTGTAGTCTG CAACTCGACT ACATGAAGCT	300
	GGGAATCGCT AGTAATCGTT AGATCCAGCA TGGCTAACGG TGGAnTACGT TTCCCGGGGT	360
	CCTTGTTACA CACCGCCCGT	380
25	(2) INFORMATION FOR SEQ ID NO: 4157:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4157:	
	TGGAGAAGGA CCCAAAAATG TTGCCGTTTC AAGGTTATGT TTTACAACAT TTCGAACTTA	60
	TGGATGATGG ATTCTGCCAA GTTAAAATAA CTGAAGATGT ATTGGAGCAA TTCGGTATTC	120
40	AGCCAAATGA AGCATCTCAG TTTGTTAATA CAATTGCTGA CATCAAAGGC TTGAAAATAT	180
	GGGTATTTGC AGTCGATGGA AGGTAATGAA ATCAGATGTC GATTACGTTC TAAAGGGCAA	240
	TTGGATTATT AATGATATTG CGCAGATTTT GGTGGCGGTG GTCATCCGAA TGCGTCAGGA	300
45	GTTTCAGTGG ACCAGCTGGG GTGGANTTGA GCCACTTGCT ACCAGCTTTA CGGCACCAAA	360
	ACTTNACTTA TAGGAAGGGG CCCATTCCAT CCAGGTGGGC	400
50	(2) INFORMATION FOR SEQ ID NO: 4158:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 351 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4158:	
5	AAATCTCTGG GATCAAATCT TACTTACAGC TCCCCAAAGn CATATCGTCG TTAGTAACGT	60
5	CCTTCATCGG CTTCTAGTGC CAAGGCATCC ACCGTGCGCC CTTAATAACT TAATCTATGT	120
	TTCCACCATT TTTATAAGTC AAACGTTAAC ATGAAGTTAC GTTCTTTTAT AAAAAGATTT	180
10	AAACGCGTTA TTAATCTTGT GAGTGTTCTT TCGAACACTA GCGATTATTT CTTATGAATT	240
	CAAGCTTATT TAAAACTCTT TATTCACTCG GTTTTGCTTG GTAAAATCTA TATTTTACTT	300
	ACTTATCTAG TTTTCAATGT ACAAATAATG GTGGAGACTA GCGGGATCGn n	351
15	(2) INFORMATION FOR SEQ ID NO: 4159:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 420 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4159:	
25	AGTTAAAGGA ACTTTTAAAG TGGTTGGCCG CCGTnATTGC CTTCCTnACC TTTTTGTCCT	60
	TCTCTTGtTA CTTTTCTGT CCCTGGTGCT AAATCmGGAT TAAATTTACG TTCTTTCTTG	120
30	AATGGAATYT CTTCTTTTC TACAATCGAG TCTCCTTTTA CAGGTCCATA TTTTGTTACG	180
	CTATCGACCG GTGGTCTAAC TACGTCTCCT GTTTCTGGAT TCTTAATTCC TGGTTTACCT	240
	GGAACTTCYT CTTTCTCTCC TGTTGGTAAC TTCGGATCAA ATTCGTCTCG ATGACCTGGT	300
35	GTTATCGTTT CTGGTCCGTA TTCTGTTAAT TCATTAATCG GATCTTTTGT GATTTCTTCT	360
	TTTGGTTCAC CnTTnACGAA TAATnACTCC AGTAAAGGAT TTTTTAAGTG TTGGTGTCGT	420
	(2) INFORMATION FOR SEQ ID NO: 4160:	
40 45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4160:	
50	ACGATAATGG TGACGGGTTA CAAAGCCAAC ACAGCTAGGG TAGTATCCCA CCAGCGTCCT	60
	CCACGTAATC TAGCGCTCAC GTTTCAAAGG CTCCTACCTA TCCTGTACAA GCTGTGCCGA	120

	TGCATCTTCA CAGGTACTAT GATTTCACCG AGTCTCTCGT TGAGACAGTG CCCAANTCGT	240
	TACGCCTTTC GTGCGGGTCG GAACTTACCC GACAAGGANT TTCGCTACCT TAGGACCGTT	300
5	ATAGTTACGG CCGCCGTTTA CTGGGGGCTTC GATTCGTAGC TTCGCAGAAN TAACCACTC	359
	(2) INFORMATION FOR SEQ ID NO: 4161:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4161:	
	ATTGACTAAG GTTTCCAGAG GAAGGCTCGT CCGCTCTGGG TTAGTCGGGT CCTAAGCTGA	60
20	GGCCGGnAAC GGTAGGGCGA TGGATAACAG GTTGATATTC CTGTACCACC TATAATCGTT	120
	TTAATCGATG GGGGGACGCA TAGGGATAGG CGAACGTGTC GATTGGATTG	180
	CAGTAAGGCT GAGTATTAGG CAAATCCGGT ACTCGTTAAG GCTGGAGCTG TGATGGGGAG	240
25	AAGACATTGT GTCTTCGAGT CGTTGATTTC ACACTGCCGA GAAAAGCCTC TAGATAGAAA	300
	ATAGGTGCCC GTGACCGCAA ACCGACACAG GTAGTnCAAG ATGAGAAnTC T	351
30	(2) INFORMATION FOR SEQ ID NO: 4162:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4162:	
40	AnCGTCCTGC TTTGCACGCC AGAGGTCAGC GGTTCGATCC CGCTAGTCTC CACCATTTAT	60
	TTTTTACACG ATGAACATTG AAAACTGAAT GACAATATGT CAACGTTAAT TCCAAAAAAC	120
	GTAACTATAA GTTACAAACA TTATTTAGTA TTTATGAGCT AATCAAACAT CATAATTTTT	180
45	ATGGAGAGTT TGATCCTGGC TCAGGATGAA CGCTGGCGGC GTGCCTAATA CATGCAAGTC	240
	GAGCGAACGG ACGAGAAGCT TGCTTCTCTG ATGTTAGCGG CGGACGGGTG AGTAACACGT	300
50	GGATAACCTA CCTATAAGAC TGGGGATAAC TTCGGGGGAAC CGGAGCCAAT ACCGGATAAT	360
	ANTITGAACC GCATNGGTCC ANAAGTGAAA GACCGGCTTG	400
	(2) INFORMATION FOR SEQ ID NO: 4163:	

5	<ul><li>(A) LENGTH: 342 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4163:	
10	ATTTTATATA TGAAATAATC TGGGACAACA TTCATAAATC TTATTGTCGT CCATTTTTTT	60
	AAAATAATAC CAATCTCATT TTTAAATTCT AAACTTGGTT TCGTATAATA CGCTCTTAAA	120
	TCTTTAAATT TAGGATTTAT TTCTGTTGGT ACTTGTTTTG TGGTTGGCGA TTGTGGTGTG	180
15	TCTGATTTAG TAGATTGCAT TGGTTGTGGC GTGTTTGTTG ATGGAGGTGT TGTCACTTTA	240
	GTTGnAAGGC GGTGTTGTCG CATTTGCTGT TTGTTGCGGT GCTTCTACTT TnATTGCAGG	300
20	CGGTGTTGTC GCGTTTGGTT TTGnATGCGG TGCTTCTATT TT	342
20	(2) INFORMATION FOR SEQ ID NO: 4164:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4164:	
	TCACGACACG AGCTGACGAC AACCATGCAC CACCTGTCAC TTTGTCCCCC GAGGAAGGGC	60
35	TCTATCTCTA GAGTTGTCAA AGGATGTCAA GATTTGGTAA GGTTCTTCGC GTTGCTTCGA	120
33	ATTAAACCAC ATGCTCCACC GCTTGTGCGG TTCCCCGTCA ATTCCTTTGA GTTTCAACCT	180
	TGCGGTCGTA CTCCCCAGGC GGAGTGCTTA ATGCGTTAnT GCCAGCACTA AAGGGGCGGA	240
40	AACCCCCTAA ACACTTAGCA CTCCATCGTT TACGGCGTGG AACTACCAGG GTATCTAATC	300
	CTGTTTGATC CCCACGCTTT CGCACATCAG GTCATTAACA GACCAGAAAT CGCTTGGCCA	360
	ngggggtncc nccaaaacit tggggattta acggtaaaaa	400
45	(2) INFORMATION FOR SEQ ID NO: 4165:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4165:	

	GCATTAATTT CATGTGTACC TTCGTACGTG TAAATCGCTT CTGCATCAGA GAAGAAACGT	120
	GCAATATCAT AATCGTCAGC TAGTATGCCA TTACCACCTG TAATACCGCG GCCCATAGCT	180
5	ACTGTCTCAC GCAAACGTAA GGCATTCATC ATCTTCGCCG TTGAAGTTGC AACCTCGTCA	240
	TATTCACCAT GTGCTTGCAT ATTAGCTAAT TGAGCACATG TTGCCATTGC TTGAGCTAAA	300
10	TTANCTTGCA TCATTGCTAG CTTTCCTGTA TTAACGGATA TTACTAATnG GTTGCCGAAT	360
	GCTTACGCTC AGGGACnTAA CNAAGTGGCA CGTAAGCGGC	400
	(2) INFORMATION FOR SEQ ID NO: 4166:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4166:	
	AAAGTTCTTT GGAAATAGTA ACGTTGAAGT TGTACTCACT GGTGATACAT TTGATCACTG	60
25	TTTAGCTGAA GCTTTAACTT ATACAAGTGA ACATCAAATG AACTTTATAG ATCCATTCAA	120
	TAATGTTCAT ACAATTTCTG GACAAGGTAC GCTTGCTAAA GAAATGCTAG AACAAGCAAA	180
	GTCTGACAAT GTTAACTTTG ATTATCTATT TGCCGCAATT GGTGGTGGCG GTTTAATTTC	240
30	AGGTATTAGT ACTTACTTTA AAACCTATTC ACCTACCACG GAAAATTATA GGTGTTGGAA	300
	CCTTCAGGTG GCAAGTAGTA TGGTATGGAA TCNGGTGGTG GGTAAATAAT CCNGGTNGTC	360
35	CACATTGGCC CTAATAACCG ATAAAATTTG GGGGGCCGGG	400
	(2) INFORMATION FOR SEQ ID NO: 4167:	400
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 358 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45	(wi) CROUPINGE DECORATION CEO ID NO ALCO	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4167:	
	CTTATAATCC ACACCCTGAG CAAACGCTnC TTATGACAGA GTATTAAAAT AAGCCGATAA	60
50	AGATACACAC CTTTACCGAC TATTTAAAAT ACACTTCACC AATTCATTTT AATTTAATGG	120
	ATTGAAGTAA CTAAATTAAT ATTATGTTGT TCAATTAAAA GCTTCATACA AACCTAATCT	180
	ATTTGCACTC CACCGGTAAC ACCGAACACT TGTCCGGTTG TATAACTTGA TTCTTCTGGA	240

	GTTTTTTGTA CCAAATGnTT GGGGATTTTA CTTnGTGGGT TGTCCACCAG AAATTTGT	358
	(2) INFORMATION FOR SEQ ID NO: 4168:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4168:	
15	TTTCTTGACC ATATGGACGT AAAGAGATGT TAGCATCACA ACGTAAAGAT CCCTCTTCCA	60
	TCTTAACGTC TGATACACCA GTGTATTGAA TAATTGAACG CAATTTTTCT AAATATGCAT	120
	ATGCTTCTTT AGGTGAACGA ATATCTGGTT CAGATACGAT TTCAATTAGC GGTGTACCTT	180
20	GACGGTTCAA GTCAACTAAT GAATACTCAC CTTTATGTGT TGACTTACCA GCATCTTCTT	240
	CCATGTGGAA GACGAGTAAT ACCGATTCGT TTTGTTTCAC CGTCGACTTC GATATCGATA	300
	TATCCATTTT CACCAATTGG TTGATCAAAT TGAGAAnTTG AGAGCTTnTG GnTTAGCTGG	360
.25	ATAGAAATAG TTCTTACGGT CAACTTAGAT CCGTTGCGAT	400
	(2) INFORMATION FOR SEQ ID NO: 4169:	
.30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4169:	
	ACCATGTTTG AATGAATCCA TTGGAATCAT TATTGAAGTA AATTAAGGAA TCTATAATGT	60
40	TCGTTAAATA AAACTGATCC CGTTGTGCTT CACACCCGAT AGATAGGGAT TTACAGATAA	120
	ATTCAGGTCT CTTCCACGTC ATATTTGGAC CCATCGAAAA TTCGGGTTCT CAAATCATCG	180
	AACATAACAA AAGAAGCTAA GCAACATGTA GGCCGTTGTC ACTTAACTTC TTGTTTTTCC	240
45	GATGACAGCT TCTATTTAGA GAATGTCATG ATTATTTTAT ATTCACTTCA ATGTTATCAA	300
	TATTAGTGCC ATCTATGACA TCTGCCATGC GATTTTCTTG TAATTTTTTG TGCAATCAAC	360
50	GTGTACnTCC ACGGTTTTCA TTTAAnAACA ATTTACCGGA	400
50	(2) INFORMATION FOR SEQ ID NO: 4170:	
	(i) SEQUENCE CHARACTERISTICS:	
55	(A) LENGTH: 395 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4170:	
	TACCGAATCG AAGCCCCAGT AAACGGCGGC CGTAACTATA ACGGTCCTAA GGTAGCGAAA	60
	TTCCTTGTCG GGTAAGTTCC GACCCGCACG AAAGGCGTAA CGATTTGGGC ACTGTCTCAA	120
10	CGAGAGACTC GGTGAAATCA TAGTACCTGT GAAGATGCAG GTTACCCGCG ACAGGACGGA	180
15	AAGACCCCGT GGAGCTTTAC TGTAGCCTGA TATTGAAATT CGGCACAGCT TGTTACAGGA	240
13	TAGGTAAGGA GCCTTTGGAA ACGTGAGCGC TANTTTACGT GGNAGGCGCT GGGTGGGGAT	300
	ACTTACCCTA AGCTGTGTTG GCTTTCTAAC CCGCACCAnt TATCGTGGTG GGGAGACCAT	360
20	GGTCAAGCGG GGCATTTTGA ATGGGGGGGCG GTTCG	395
	(2) INFORMATION FOR SEQ ID NO: 4171:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4171:	
	TACATTATAG CTTTAATCGT TTGAAGTATA GTTTGAAACC AGTAGTCACA GCTGTTCAAG	60
	GTCGTGCCTT AGGCGGTGGC TGTGAGCTTG TACTTTACTC ACCTATTGTT GTCGCTGCAA	120
35	GTGAAACATA TATCGGTCTT GTTGAAGCAG GTGTTGGCTT ATTACCGAGT GGCGGTGGCC	180
	TTGCAGAAAT GGCTGATCGC ATATTACGCA CATCGCATAA GTTTGATGAC AAACAAGCTT	240
	CCATGACAAA AGTACTGACG AATATCGCAT TGCGAANGCT CTACAAATGC CTTTGAGGCA	300
40	CGTCGTATGG GTATTTACCG TGGATACAGA TACGATAATT TCCAATACAG CACAACGnGT	360
	CGAAGTGGCG C	371
45	(2) INFORMATION FOR SEQ ID NO: 4172:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4172:	

2855

	GCTGAGCTAA GCCCCCATAA TAATTACAGT ATATCGGGAA GACAGGATTC GAACCTGCGA	120
	CCCCTTGGTC CCAAACCAAG TGCTCTACCA AGCTGAGCTA CTTCCCGTAT AATTAACGCG	180
5	CCCGATAGGA GTCGAACCCA TAACCTCTTG ATCCGTAGTC AAACGCTCTA TCCAATTGAG	240
	CTACGGGCGC ATATGTTTTT ATTGAAAATn GTGCCGAGGA CCnGAATGAA CCGGTACGTG	300
	ATCATTACCG CAGATTTTAA GTCCTGTGCG TCTGCCAGTT CCGCAnCCCG GACTATAAAA	360
10	т	361
	(2) INFORMATION FOR SEQ ID NO: 4173:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4173:	
	GTACAGATGC ATTGTTAAAC AATCAGTTGC AACAGCTGTT GAAACTGGTA GAGTATCTAA	60
25	TGGTGATTTA ATCATTATTA CTGCTGGTGT ACCAACTGGT GAAACTGGAA CTACTAATAT	120
	GATGAAAATC CACCTAGTTG GTGACGAAAT TGCTAATGGT CAAGGTATTG GACGTGGATC	180
	AGTTGTTGGT ACTACGTTAG TTGCTGAAAC TGTTAAAGAT TTAGAAGGTA AAGATTTATC	240
30	TGACAAAGTT ATCGTTACTA ACTCCATCGA TGAAACGTTT GTACCTTATG TAGAAAAAGC	300
	TTTAGGCTTA ATTACAGAAG AAATGGTATT nCACACCCAG TGCCATGGTT GGTTAGGAAA	360
35	AGNAATCCCA CCGTTGTANG	380
	(2) INFORMATION FOR SEQ ID NO: 4174:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4174:	
	CGATTGGATT GCACGTCTAA GCAGTAAGGC TGAGTATTAG GCAAATCCGG TACTCGTTAG	60
	CTGAGCTGTG ATGGGGGAGAA GACATTGAGT CTTCGAAGTC GTTGATTTCA CACTGCCGAG	120
50	AAAAGCCTCT AGATAGAAAA TAGGTGCCCG TACCGCAAAC CGACACAGGT AGTCAAGATG	180
	AGAATTCTAA GGTGGAGCGA GCGAACTCTC GTTTAAGGAA CTCGGGCAAA ATGGACCCCG	240

	GCCCAAGCGC TGTTTATCCA AAACACAGTC TCTGCTmAAC CGTAGGGGAT TGTATAGGGG	360
	CTTACGCCTG CCCGGTGCCT GGAAGGTTTA AAAGGGTGGT	400
5	(2) INFORMATION FOR SEQ ID NO: 4175:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4175:	
15	AGCCATGGCT CAGCGAGGTA GGACTCGAAC CTACGACCGA TCGGTTAACA GCCGATAGCT	60
	CTACCACTGA GCTACTGTGG ATTAATATTA TGCCTGGCAA CGTTCTACTC TAGCGGAACG	120
20	TAATTCGnAC TACCATCGAC GCTAAGGAGC TTAACTTCTG TGTTCGGCAT GGGAACAGGT	180
	GTGACCTCCT TGCTATAGTC ACCAGACATA TGANTGTAAT TTATACATTC AAAACTAGAT	240
	AGTAAGTAAA AGTGATTTTG CTTCGCAAAA CATTTATTTT GGATTAAGTC TTCGATCGAT	300
25	TAGTATTCGT CAGCTCCACA TGTGCACCAT GCTTnCCACC TCGAACCT	348
	(2) INFORMATION FOR SEQ ID NO: 4176:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 344 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4176:	
	CATTITITA AAATAATACC AATCTCATTI TIAAATTCTA AACTTGGTTT CGTATAATAC	60
40	GCTCTTAAAT CTTTAAATTT AGGATTTATT TCTGTTGGTA CTTGTTTTGT GGTTGGCGAT	120
	TGTGGTGTGT CTGATTTAGT AGATTGCATT GGTTGTGGCG TGTTTGTTGA TGGAGGTGTT	180
	GTCACTTTAG TTGAAGGCGG TGTTGTCGCA TTTGCTGTTT GTTGCGGTGC TTCTACTTTA	240
<b>4</b> 5	GTTGAGGGCG GTGTTGTCGC GTTTGGTTTT GATTGCGGTG CTTCTATTTT AGTTGAGGGC	300
	GGTGTTGANT GTGGTGCTTC CACTTTAGGG NAAGATNAGT GGTG	344
	(2) INFORMATION FOR SEQ ID NO: 4177:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 362 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4177:	
5	CAGAACCTTG nAATGAATCG CGATGGAATA TCTCTATCTG nAAACAGATT TCTTTTTGTC	60
3	CGCCAATGGC CTTGGAATTG TTTAAATAAA TCTATTTGCG CTTCTTTATC AATGTCATAA	120
	CCTAATGCTT TTAACTTCTC TGAGAAGCGT GTTTACCAGA TAATTTTCCT AATGGAAGTT	180
10	CAGTCGTGCT TACACCAACA AGTTGAGGTG TCATAATTTC ATATGTTTCA CGATGTTTTA	240
	ATACGCCATC TTGGTGAATA CCTGATTCAT GACTAAATGC ATTTGGCCAA CAATTGCTTT	300
	ATTTCTAGGC ACTCGAATAC CTGCATATCT TGANATTAAA TCCGAGGTTT TAGTTCCTCG	360
15	AG	362
	(2) INFORMATION FOR SEQ ID NO: 4178:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4178:	
	GGAGCTAATA CCGGATAATA TTTTGAACCG CATGGTAAAG nTGGAAAGAC GGTCTTGCTG	60
30	TCACTTATAG ATGGATCCGC GCTGCATTAG CTAGTTGGTA AGGTAACGGC TTACCAAGGC	120
	AACGATGCAT AGCCGACCTG AGAGGGTGAT CGGCCACACT GGAACTGAGA CACGGTCCAG	180
	ACTCCTACGG GAGGCAGCAG TAGGGAATCT TCCGCAATGG GCGAAACTTn ACGGAGCAAC	240
35	GCCGCGTGAG TGATGAAGGT CTTCGGATCG TAAAACTCTG TTATTAGGGG AGGACATATG	300
	TGTAAGTAAC TGTGCACATT TTTGACGGTA CCTnATCAGG AAGCCACGGT TTACTAGGGG	360
	CCCAGAAGCC CCGGTTAATA CGTGGGTGGG NAAGGGTTTT	400
40	(2) INFORMATION FOR SEQ ID NO: 4179:	
<b>4</b> 5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4179:	
	GTTGTTTCAG CAGCGACACA GTGTATTCCA TTCTTAGAAA ATGATGACTC AAACCGTGCA	60

	GTTGGTACAG GTATGGAACA CGTTGCAGCA CGTGATTCTG GTGCGGCTAT TACAGCTAAG	180
	CACAGAGGTC GTGTTGAACA TGTTGAATCT AATGAAATTC TTGTTCGTCG TCTAGTTGGA	240
5	AGAGAACGGC GGTTGAACAT GAAAGGTGGA TTAAGATCGC TATCCATTAG CTAAATTTAA	300
	ACGTTCAAAC TCAGGTACAT GTTACAACCA ACGTCCAATC GTTGCCAGTT GGGAGATGTT	360
10	GTTGGnnnTA C	371
,,	(2) INFORMATION FOR SEQ ID NO: 4180:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 344 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4180:	
	AAAGGGAATC GAATTTTCTT TCTCTTCCTC CGGGTACTAA GATGTTTCAG TTCTCCGGGT	60
25	GTGCCTTCTG ATATGCTATG TATTCACATA TCGATAACAT GACATAACTC ATGCTGGGTT	120
25	TCCCCATTCG GAAATCTCTG GATCAAAGCT TACTTACAAC TCCCCAAAGC ATATCGTCGT	180
	TAGTAACGTC CTTCATCGGC TTCTAATGCC AAnGCATCCA CCGTGCGCCC TTAATAACTT	240
30	AATCTATGTT TCCACCATTT TTATAAGTCA AACGCTCACA TACGGCTTCG TTTTCATTAT	300
	nTnAAATGCT CATTTACATA AGTAAACTCT GCTTTAAAAT AATT	344
	(2) INFORMATION FOR SEQ ID NO: 4181:	
35 40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 343 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4181:	
45	CCGTGATCGG AAGGTGCGGC TGGATCACCT CCTTTCTAAG GATATATTCG GAACATCTTC	60
	TTCAGAAGAT CGGGAATAAC GTGACATATT GTATTCAGTT TTGAATGTTT GTTCATTCAA	120
	ATTAATGGGC CTATAGCTCA GCTGGTTAGA GCGCACGCCT GATAAGCGTG AGGTCGGTGG	180
50	TTCGAGTCCA CTTAGGCCCA CCATTAATTT AATACCTATT TGGGGGCTTA GCTCAGCnGG	240
	GAGAGCGCCT GCTTTGCACG CnGAGGTCAG CGGTTCGATC CCGCTAGTCT CCACCATTAT	300
	TTGTACATTG AAAACTAGAT AAGTGAnGTA AAAATATAGA TTT	343

(i) SEQUENCE CHARACTERISTICS:

5	<ul><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4182:	
10	CAGAGCCAAC TCGTATGTGA TTTGTCTGCG CCAATGTATG CATCATCAAA AGTTCTGGAC	60
	TACTACACGC AAACGCTGGT ACATTATGAT GTTCCGTAAA CCAAATTCGC TTAAAGCCAA	120
15	GTCGATCTGC TAATTITGCA AGTGTCACTG AATCTTGCAA TGCCTTTTGT GCATCCTTAC	180
	CTTCATCTAT TAAGGCATAG TCTAATACGC TTAATTTAAC CAATCCGTCA TCTCCAAACT	240
	TATCCTGTCA TGTCAAACCG ACATAACATT TTAGCGTCTT AATACCATTC CCTCTTCATA	300
20	TACCCACGTA TATGATAACG TTTTCAATAA CTTTATATCT TTCGCCTTAT TTnCTTTTCA	360
	TATCATATTT CAGACTACAA ATGCATCATA GTTAATTAAA	400
25	(2) INFORMATION FOR SEQ ID NO: 4183:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4183:	
35	AAAGTATGAA AGATGGTAGT GACGCGGTTG GTGATTGGGC TGTATTGAAT GCACTCATTA	60
	ACACAGCTGC AGGTGGTTCA TGGATTTCAT TCCATCACGG TGGCGGTGTT GGCATGGGAT	120
	ATTCACTTCA TGCGGGTATG GTTGTTGTAG CAGATGGATC AGAGCGTGCT GAAGGAAGAT	180
40	TGGAACGTGT ATTGACGACT GACCCAGGTA TGGTGTTGCC CGACATGTTG nATGCTGGCT	240
	ATGACATCGC TATTCAAACA GCTAAAGAAA AAGGTATTCA nATTCCAATG ATTGGTGAAA	300
45	GCAGGTGATA AGTAATGAAT GATTTAATAT TAATCANATA GCAGANTATT TTTACCGGGT	360
	CCAACAGATA AACCTTTGAA GGGTTAGGTA TTAGATGCAT	400
	(2) INFORMATION FOR SEQ ID NO: 4184:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 342 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55		

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4184:	
	TTCCCTGTGC ATCGGCATCA CTATTATTAG CATGACTCAA TTATTGGCAT CACAATATGT	60
5	CATTGCAGTT ATCATTGGTT TCGTCATATG TGCGATAGGT AATGGTTTAG TCGCAACACC	120
	TGGACTTACG ATTGCAATTT TCAGTATGCC TAATGANAAA GTTGGTTTAG CTACAGGATT	180
	ATATAAAATG AGTGGTACAT TAGGTGGCTC CTTTGGTATA GCACTAAGTA CTACAGTTTT	240
10	CAGTATGTTA CAACTAAACT ATGCACCAAG TGTAGCTGCA ACCGTAACAT TTATAGTCAG	300
	CATTGTATTG ATGNTCCTTG GGTNCATTGT CTGCATACAT GA	342
15	(2) INFORMATION FOR SEQ ID NO: 4185:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4185:	
	AAGCATACTC TGAAGCGGTG AACAAAAATA GAACAGATCA CATTAGACAT TTACTTGAAT	60
	TTAAAGCATG TACACCGATT GACATCGACC AAGTTGAACC GGTAAGTGAC ATTGTCAAAC	120
.30	GCTTTAATAC AGGGGCGATG AGTTATGGAT CGATTTCAGC GGAACACATG AAACGTTAGC	180
	ACAAGCCATG AACCAATTAG GTGGAAAGAG TAATAGTGGT GAAGGTGGCG ANATGCAAAA	240
	CGTTATGAAG TACAAGTTGA TGGAAGCAAC AAAGTAAGTG CGATThAACA AGTTGCTTCT	300
35	GGGCGTTTTG GTGTACTAGT GATTATTTAC CACCTGCCAA GGAATTCCAA TTANACTTGC	360
	(2) INFORMATION FOR SEQ ID NO: 4186:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4186:	
	CCCAAGCGGA ATTCTAAAAT GATCGTCGCT CCATTCTTCA TTTTAATAAA TCCAAACGCA	60
50	GAATCTTCAA CTGTAAATTC ATCTGGATTC CATGAACCCC AAGCGTTTGC CGCATGATGC	120
	TGTTTATTTA ATTTATGGAA TGTTGAACCC ATCACTGATT CTGGTTCATA ATTATCCATC	180
	ATCCATAACG TTAAATCTAA AGCGTGTGTA CCGATATCGA TTAATGGTCC TCCACCTTGG	240
55		

	nCTTTCCGAA GTTAAATGTC TCCTAAGTCG CCACGTTGGC GCTGCCTGGA TGGAAAATTG	360
	GACGATCTGC TCGGGAAACG AATTTGGATA AACnGATGGG	400
5	(2) INFORMATION FOR SEQ ID NO: 4187:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 349 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4187:	
	GAATCATCTG GCAACCnCCC CCAAAGAAGG TAATAATCCT GTAGTCGAAA ATGTTGTCTC	60
	TCTTGAGTGG ATCCTGAGTA CGACGGAGCA CGTGAAATTC CGTCGGAATC TGGGAGGACC	120
20	ATCTCCTAAG GCTAAATACT CTCTAGTGAC CGATAGTGAA CCAGTACCGT GAGGGAAAGG	180
	TGAAAAGCAC CCCGGAAGGG ATGTGAAATA GAACCTGAAA CCGTGTGCTT ACAAGTAGTC	240
	AGAGCCCGTT AATGGGTGAT GGCGTGCCTT TTGTAGAATG AACCGGCGAG TTACGATTTG	300
25	ATGCAAnGTT AAGCAGTACA TGTGGAGCCG TAGCGAAAGC GANGTCTGA	349
	(2) INFORMATION FOR SEQ ID NO: 4188:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4188:	
	TGGATCCTGA GTACGACGGA GCACGTGAAA TTCCGTCGGA ATCTGGGAGG ACCATCTCCT	60
40	AAGGCTAAAT ACTCTCTAGT GACCGATAGT GAACCAGTAC CGTGAGGGAA AGGTGAAAAG	120
	CACCCCGGAA GGGGAGTGAN ATAGAACCTG AAACCGTGTG CTTACAAGTA GTCAGAGCCC	180
45	GTTAATGGGT GATGGCGTGC CTTTTGTAGA ATGAACCGGC GAGTTACGAT TTGATGCAAG	240
	GTTAAGCAGT AAATGTGGAN CCGTAGCGAA ACGAGTCTGA ATAGGGCGTT TAGTATTTGG	300
	TCGTAGACCC GAAACCAGGT GATCTACCCT nGGTCA	336
50	(2) INFORMATION FOR SEQ ID NO: 4189:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 358 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4189:	
5	CAAAGGATGT TAAGAAATAC AATTTATTAC CCAGCATTTA ATAATGGTGC TATAGAAGGA	60
	ATTAATAATA AGATAAAATT AATCAAGTGA ATTTCTTTTG GTTACAGAAA TTTCAACAAC	120
	TTTAAAGCAC GTATAATGAT GATTTTCAGC TTGTACAAAG GAGAAAAAA GAAGACAACC	180
10	AAGCCCAATA ATGGACTGGC CGCCTAATAA TAAAAGCTCT AAAAGTTGTA TTTTAAAAAT	240
	AGTTCTTTAA ATTATATACC CACCACATTT GGTGGAGGAC CTAAAAAAAA GCACTTCCCC	300
	AAAAATGGGA AAGTGCAAGT AGTGAGCCnT AGGAGGGTTC GGACCCTCTn nCCCCTCT	358
15	(2) INFORMATION FOR SEQ ID NO: 4190:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4190:	
	TCACCAAGTT GAGCAAAGAA GATGTTCTGC GTACCTTGAA CTAAGTGCCC TTTGACTTCT	60
	AAnGTACCAC CAAGTGCCGT CTGCCAAAAC GGTAAGTAAA AAATATGGTG TAAACCGAGT	120
30	GGACCTAACA ATCTTAAGAT GAAGCCATAA ACAAAAGTAC CGATGGCACC TGTTTTCGTT	180
	ACAAATCCAC CAACATGATA AATGCCGGCT TGTATGCTTG GCCAAATGAA AAACATCAAT	240
35	ACACCTAAAA AGATTGCGGC AAATGCTGTG ACAATAGGGA CAAATGTAGA GCCACCAAAG	300
55	AAACCTAAAT ACGGTGGTAA TACCATTTGT GnTATTTGTT GTGAAGTATT GCGGTCATAA	360
	TA	362
40	(2) INFORMATION FOR SEQ ID NO: 4191:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 362 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4191:	
50	TGATCACCCA TGTTCTGGAC TCCCAATTGA AATTGAATTG	60
	nATTCGGTAA CCCGnGCAGG GTCCCCTCGT GCCAAACAGT GCTCTACCTC CAATAATCAT	120

	NATTTCTCCG CTAACCTCAG TTCATCCGCT CACTTTCAA CGTAAGTCGG TTCGGTCCTC	240
	CATTCAGTGT TACCTGAACT TCAACCTGAC CAAGGTAGAT CACCTGGTTT CGGGTCTACG	300
5	ACCAAATACT AAACGCCCTA TTCAGACTCG CTTTCGCTAA GGCTCCACAT TTACTGCTTA	360
	AC	362
	(2) INFORMATION FOR SEQ ID NO: 4192:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4192:	
20	CGTGTATTAT GCCTTCTACA TTGGCCATTA TGAAAACTTA TTATCAGGGT GCTGAACGTC	60
	AGCGTGCCTT AAGTTATTGG TCTATCGGTT CTTGGGGTGG CAGTGGTATC TGTTCACTCT	120
	TCGGTGGTGC AGTTGCGACA ACTATGGGTT GGAGATGGAT TTTCATCTTC TCAATTATCG	180
25	TTGCCGTACT TTCAATGTTA CTCATCAAAG GGACGCCTGA AACGAAATCA GAAATTACCA	240
	ATACACATAA ATTTGACGTT GCAGGGCTAA TTGTTCTAGT AGTATGTTGC TAAGTTAAAC	300
30	GTTGTCATTA CTAAAGGTGC AGCACTTGGN TACACATCAT TATGGGTCTT GGGTTGAATG	360
	CCAATCGGAA ATTGTAGCAT CNTTAATTTC CTAAAAGGTG	400
	(2) INFORMATION FOR SEQ ID NO: 4193:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 373 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4193:	
45	AATCCCATGG ACCCTCAAAT TCTTTATCTA AATAGTACCC TAATGAAGTT TTTCTGTGCA	60
	TGTGATTAAT TTCATGTAAA CCGATGACAC CAACTAGCGT TCCTTCATAC CAAATGCCAC	120
	ACTGAAATCC ATTACCATCA GCAAATTGCA AAAGTCCTCT TTTAATAAAT GCACGCGTAT	180
50	CTGATGGTTG CTCAGTTGCA TCTACCCAAG GTAACCATTC CCTAAGTGAA TTTCTTGAAC	240
	GATTGACTAA ATTGAAAAGC GCTTCTGTGT CATGAGCTTC TAAAATTTTA ATGTTATTGT	300
	TCAATCACTT TCATTCCAAA CATACNATCA CATCCTCATT CATTNTCATA TAATCCGGNA	360

(2) INFORMATION FOR SEQ ID NO: 4194:

55

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4194:	
	ACAAAGGACG ACATTAGACG AATCATCTGG AAAGAGAATC AAAGGTAATA ATCCTGTAGT	60
15	CGAAAATGTT GTCTCGAGTG GATCCTGAGT ACGACGGAGC ACGTGAAATT CCGTCGGAAT	120
	CTnGGAGGAC CATCTCCTAA GGCTAAATAC TCTCTAGTGA CCGATAGTGA ACCAGTACCG	180
	TGAGGAAAGG TGAAAAGCAC CCCGGAAGGG AGGTGTAAAT AGAACCTGAA ACCGTGTGCT	240
20	TACAAGTAGT CAGAGCCCGT TAATGGGTGA TGGCGTGCCT TTTGTAGAAT GGAACCGGCG	300
	AGTTEACGAT TTGGATEGCA AGGTTAAGCA GTAAATGTGG GAGCCGTA	348
	(2) INFORMATION FOR SEQ ID NO: 4195:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4195:	
35	AAGGCAGATG CTCTCCCAGC TGAGCTAATT CTCCGATTTA AAACTGCCTG GCAACGTTCT	60
	ACTCTAGCGG AAnTAAGTnG GACTACCATC GACGCTAAGG AGCTTAACTT CTGTGTTCGG	120
	CATGGGAACA GGTGTGACCT CCTTGCTATA GTCACCAGAC ATATGAATGT AATTTATACA	180
40	TTCAAAACTA GATAGTAAGT AAAAGTGATT TTGCTTCGCA AAACATTTAT TTTGATTAAG	240
	TCTTCGATCG ATTAGTATTC GTCAGCTCCA CATGTCACCA TGCTTCCACC TCGAACCTAT	300
45	TAACCTCATC ATCTTTGAGG GATCTTATAA nCGAGTTGGG	340
	(2) INFORMATION FOR SEQ ID NO: 4196:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TTTGCAGGTG GCGGTGCGAC TGCAGAAGAC GTTAAATTAA TGAAAGATAC AGTAGGTGCT	60
	GATGTAGAAG TAAAAAGCATC AGGTGGCGTA CGTAATTTAG AAGATTTCAA TAAAATGGTT	120
5	GAAGCAGGTG CGACACGTAT TGGTGCGAGC GCnGTGTTCA AATTATGCAA GGTTTAGAAG	180
	CAGATTCAGA TTACTAATAT ATATNAATNT TGGGAGTGAT AGCTATGACA AGACCATTTA	240
10	ATCGTGTACA TTTAATCGTA ATGGATTCAG TAGGTATTGG TGAAGCGCCA GACGCAGCTG	300
10	ATTTTTAAAG ATGGAGGTTC ACATACTTTT A	331
	(2) INFORMATION FOR SEQ ID NO: 4197:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(with GEOVERNOR REGORDERION, GEO. ID. NO. 4107	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4197:	
25	GTAGACGTCC CGATAGCCGT TACGCATGGT TACGATGTGT ATTGGTGTCG GCATGGGTGC	60
	AGCTGCTATA TTTGAATATG TGCGTTAGAA TGGTTGATTT TGGATGAAGC GGATTCGTTT	120
	TGTTATTGAA TGAAGTAGGC TGAAGTTGAA GCCAGTTGAA GTTGAAGCGG GTTGAAGCAA	180
30	TTTCGTTTTA TTGAATGAAG CTGTGTGAAA TATAGTGATT GAACAAAAAA AGTGGTTTAA	240
	TGGGATGGTG GTTATTTCCG TTTTAGAATT TAACATTTAC ACGTCTAATT TTAAATCATT	300
	GTTTTAAATT TTATGAATCG AAGCCCTTTG GATTTAATAN TATTGCTAAT GCNAGTAACT	360
35	natctgattg t	371
	(2) INFORMATION FOR SEQ ID NO: 4198:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4198:	
	GCGACCCCAA CCTTGGCAAG GTTGTnATTC TACCGCTGAA CTACTTCTGC ATATGCGGGT	60
50	GAAGGGAGTC GAACCCCCAC GCCGTAAGCT nAGNATCCTA AGTCTAGTGC GTCTGCCAAT	120
	TCCGCCACAC CCGCAAATGG TGAGCCATAG AGGATTCGAA CCTCTGACCC TCTGATTAAA	180
	AGTCAGATGC TCTACCAACT GAGCTAATGG CTCTTCCATG GTGCCGGCCA GAGGACTTGA	240

	TAAGAATAAA TGGTGGAGAA TGACGGGTTC GNACCGTCGA CCCTGTGCTT GTTAAGGCAG	360
	ATGGTTTTCC CACTGGGGTA AATTTTCCGA TTTAAAAATG	400
5	(2) INFORMATION FOR SEQ ID NO: 4199:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4199:	
	ATCAGTTGCT GTTGCGCCTT GTGGTAATGA ATTTACTAGT CGTACACCAA TAACCTCTGG	60
	AATTGGGAAA TAAGAAGGTT GTCCAAGCAT TCCAGCTTCA GCTTCAATAC CACCAACACC	120
20	CCATCCTAGT ACGCCAATAC CATTTATCAT TGTTGTATGT GAATCAGTAC CAACTAATGT	180
	ATCTGGAAAT GCAGTTTTT CACCATCTAC ATCACGAACA TGTACAACAC TTGCTAAATA	240
	TTCTAAGTTA ACTTGGTGAA CTATTCCAGT TGCAGGAGGG AACTGCATTG TAATTATCAA	300
25	ATGCTTTCGG TTGGCCCAAT TTAAAAAACT GGATAACGTT CATnGTTACG TTCCAATTCC	360
	TAATTTCCnA ATTACGGTTC CANGAGCTTC TGGGATTTTG	400
30	(2) INFORMATION FOR SEQ ID NO: 4200:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 335 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4200:	
40	CAACCTTTAT TGGTAAAAAC ACCCCAGCCA GGCACTTTAC GCCTACGCAT CGCTTGTACA	60
	CGTGCTACTA nAGGTTTACC AACCACACCT GATTCAATTG CTTTTTTAGC AGTAATTGCC	120
45	ACATCTGTGT GACGATAATG ATATGCGACA GTTAATAATT TGTGATTTTT ATTAGCCGCT	180
	TCAATCATGC GATCACACTC TTCCGTCGTC ATCGCCATTG GCTTTTCACA CAATACATGG	240
	CACACCATGG TTCAATGCnT CTATAGAAAG ATCAGCAGGA ATTTATTAGG TGTACAAATG	300
50	ACCCATCAAC AAGTTTAAAC AGCTCGCTAG GTGnC	335
	(2) INFORMATION FOR SEQ ID NO: 4201:	
55	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 370 base pairs	

	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
5	(with Grovenson programmer) and an area	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4201:	
	ATGATGTGGC GGTGGTGAAA TCAGACCGAT ACCTGGCGTT GACCCTCTTG TCTTCGCAAT	60
10	CCACGGATAT ACCTTAGTAC CAGGTAATTG ACCACCTTCA CCAGGCTTTG CACCTTGCGC	120
	AACTTTAATT TGAATTTCTT TGGCATGTTG TAAATAATCA CTAGTTACAC CAAAACGCCC	180
	AGAAGCAACT TGTTTAATCG CACTTACTTT GTTGCTTCCA TCAACTTGTA CTTCATAACG	240
15	TTTTGCATCT TCGGCAACTT CACCACTATT ACTCTTTCCA nCTAATTGGG TCATGGGCTG	300
	TGCTAACGTT TCATGTGCTT CCGnTGnAAT CGATCCATAA CTCATCGGCC CCGTATTAAA	360
	GCGGTTGGAC	370
20	(2) INFORMATION FOR SEQ ID NO: 4202:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 380 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4202:	
	CAGCTAGCGA CTTACCTTGA CGTTTTGnGT ATTCATTCCA GCTTTGTnGG AATGAGtCGG	60
	gATATAAGCA TCTTTAGATA ATGCACCATC AACTAATGGA TATTTATGTC CAGTTGGAGC	120
35	CAGAAATCAT AAACGTCTTC AGTGTAAGCA ACAGCATCTT CaTTTAATGC CAAAATGCTT	180
	GGaTTAgTGC AATAACCATC GCAACTGnGC CANACCTTGT GTTGGCTCGC CGCCTGAATT	240
	CAATCCATAA CGTGCTGTAT CTGTAGCAAT AACTAATACT TTTTCATTCG GTCTAGTTGC	300
40	TAAATAATCT TTAGCTAATT GAATTGCTGG TGTTGCAGCA TAACAAGCTT CTTTCATTTC	360
	AAAGCAGCGT GCAAAAGGTT	380
45	(2) INFORMATION FOR SEQ ID NO: 4203:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4203:	

	GACATGTCAC CAAGAGCATT AGAAGAAGTT ATTTACTTTG CTTCTTATGT TGTTGTAGAT	120
	CCAGGTCCAA CTGGTTTAGA AAAGAAAACT TTATTATCTG AAGCTGAATT CAGAGATTAT	180
5	TATGATAAAT ACCCAGGTCA ATTCGTTGCA AAAATGGGTG CAGAAGGTAT TAAAGATTTA	240
	CTTGGAAGAG ATTGATCTTG ACGAGGAACT TAAATTGTTA CGCGATGAGT TGGGAATCAG	300
10	CTACTGGGTC CAAAGACTTA CTCCGTGGCA ATTAACGGTT TAGAAGTTGT THGAATCATC	360
10	CCGTAATCCA GGGTACCACC CTCCnnGGnT GGATTTAGGA	400
	(2) INFORMATION FOR SEQ ID NO: 4204:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4204:	
25	AAATTCTTCC GCCCTGTAAT TCCTTAACCG CTTCAACGGC ATCGTnAATn TCTTACATTT	60
	AGATAAAGAT GCATTGCAAG ATATCGTCAA CTTATTATTA GACGATGTAC AAGTTACATT	120
	AGACAAAAA GGTATTACGA TGGACGTTTC TCAAGATGCG AAAGATTGGT TAATTGAnGA	180
30	AGGCTATGAT GAAGAATTAG GTGCACGTCC ATTAAGACGT ATTGTTGAAC AGCAAGTACG	240
	TGACAAAATT ACAGATTACT ATTTAGATCA TACAGACGTT AAACATGTGG ATATAGATGT	300
	TGAGGATAAC GAATTAGTCG TAAAAGGTA	329
35	(2) INFORMATION FOR SEQ ID NO: 4205:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 357 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4205:	
45	GGTAAACAAA AAACTTCCCT TTGGAAGCGA ATTATGGAGC GGAAGATAGG ATTTACACCT	60
	ATACCTCGTT CCGGGAAGGG CTGTTTCTAA AAGTTGAACT ACTCCCGCAA ATATTAAATT	120
50	ATGGAGCGGA AGATAGGATT TACACCTATA CCTCATTCCA GGAAGGAATG TATTCTAAGA	180
.50	GTTGAAATAC TCCCGCATTA TTATTAAATT ATGGAGCGGA AGTAGGATTT GCACCTATAC	240
	CTCGTTCCGG GAAGGAGCTG TTTCTAAAAG TTGAACTACT ACCGCATAAA CCTGGTGGCG	300

(2) INFORMATION FOR SEQ ID NO: 4206:

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4206:	
	TACTTTGTGA ATCCAGAAAA CTTTGAGGAT GTCACTAATA GTGTGAATAT TACATTCCCA	60
15	AATCCAAATC AATATAAAGT AGAGTTTAAT ACGCCTGATG ATCAAATTAC AACACCGTAT	120
	ATAGTAGTTG TTAATGGTCA TATTGATCCG AATAGCAAAG GTGATTTAGC TTTACGTTCA	180
	ACTITATATG GGTATAACTC GAATATAATT TGGCGCTCTA TGTCATGGGA CAACGAnnAG	240
20	CATTTAATAA CGGATCAGGT TCTGGTGACG GTATCGATAA ACCAGTTGTT CCTGAACACC	300
	TGATGAGCCT GGTGAAATTG AACCAATCCA GGGATCAGAT CTGACCCAGG TCAGATCTGG	360
	CAGCGATCTA ATCAGNAGCG GTCAGATCGG GNAGGATCAC	400
25	(2) INFORMATION FOR SEQ ID NO: 4207:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 402 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4207:	
	AAAAAGTTGA GAAAAATGTT TGAATCAGCA AACGTTGTGC AATCGAAATT TCCACACCAT	60
	CAAAACCTGC TTTAATCGCG CGTAATGTAG CATCGCnGwk ACTGCTGAAT GATGCTATTG	120
40	ATTTTCTCAT GAGACATGGC GATAACATCG TGTTtCAATC GGTGAATGCA ATGWCATAGG	180
	GCTTGGTCCA TACACCTTTC CAAAATTTAA AATGGCTTGA TTTGAAAAAC GACCAGCATG	240
	CGCTACTGGG ATAATAGCGA GGCTACCATG TTGTTTCATC GTAGATCCCA TGTTAGTTAA	300
45	TCCAGGGATA CAACCATCAT GATCAATATT AAAnCATATC CAACCATTGA CCATAAGGTC	360
	AATGTAACAC GCCGGTGACT TCATCCAGCT GAATAGACGC GT	402
50	(2) INFORMATION FOR SEQ ID NO: 4208:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 380 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4208:	
-	GAAGAGTTGC AGCAGCAGAT ACAATTTATC CATTCACTCA AGCTGAAAAT GTTTGGTTAC	60
5	CAAACAAAAA TGACATCATC GAAAAAGCAA AAGAAACTTT AGAATTTTAA TACATTTTAA	120
	AAGTTAACGA ATTAGCCGTG ATTTTAGTCT CATTGATTAA AATGAAATnG TTAATTTACG	180
10	AAATCTTAGG AGGGCAAAAA CGTGGGCATT TGAATTTAGA TTACCCGATA TCGGGGGAAG	240
	GTATCCACGA AGGTGAAATT GTAAAATGGT TTGTTAAAGC TGGAGGATAC TATNGGAAGA	300
	AGACGATGTT TTAGCTGGAG GTACAAAACC GATAAATCAG TAGTAGAAAT CCCCATCCAC	360
15	CAGCATCTGG TAChGGTAAG	380
	(2) INFORMATION FOR SEQ ID NO: 4209:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4209:	
	AATAAACCTC AGGCTATTCA ATGGCATACA AATTTAACGA ATGAGCGATT CACTACTATC	60
30	GCACATCGTG GCGCAAGTGG CTATGCACCC GAGCATACGT TTCAAGCATA TGATAAGAGT	120
	CATAATGAGT TAAAAGCATC TTATATCGAA ATTGATTTAC AACGTACCAA AGATGGCCAT	180
	TTAGTTGCTA TGCATGATGA AACTGTTAAC CGTACAACAA ATGGACACGG TAAAGTTGAG	240
35	GATTATACCC nTGATGAATT ANAACAGTTA GATGCAGGAA GTTGGTTAAT AAAAAAATATC	300
	Charatacge cagageagta ttaratget aragtaceae ttaggtggar tttaggaegt	<b>36</b> 0
	ATTGGCCCGA TGCCAACnTT TATATTGAAC CAAGCACCTG	400
40	(2) INFORMATION FOR SEQ ID NO: 4210:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4210:	
	GCCCACAACC ACAAAGGCTG TAGGCTACAA ATATGGAGAC GGCGGGATTT GAACCCGCGT	60

	AAAAGTGATA AACAACCAAC ATGATGCTAG TTTGATTAAG TTTCTTCTAA ACAGACTTCA	180
	AACGGCATHG TTAGCATATC CTATTAAGGT TGAATCGCGT TAACAGCACA TAGGAAATGC	240
5	TGTTAGGCGA TGCAGAGTGC GATTAGGCAG CTACTGCGAA ATTATTGTnT GATTTGCCAG	300
	TTATTATnAA CTGTGTGGTG TTGATGACGA	330
	(2) INFORMATION FOR SEQ ID NO: 4211:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 339 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4211:	
20	AAATCATCTT ATGACTGCTT TTTATTATAC TTTACATTTC TCGTTTCGTC AGATTCAAAC	60
	GTTTTCACTT CGCCAAGCCA TCTTTCTTTG TGTTTGCTTT TATTTTGACG TTTTAGACAT	120
	AAAAAAAGAG ACCTTGCGGT CTCAATGnGG CTCATCGCAT CCACTTTTTG CCTGGCAACG	180
25	TTCTACTCTA GCGGAACGTA AGTTCGACTA CCATCGACGC TAAGGAGCTT AACTTCnGTG	240
	TTCGGCATGG GAACAGGTGT GACCTCCTTG CTATAGTCAC CAGACATATG AATGTAAATT	300
	ATACATTCAA AACTAGATAG nAAGTAAAAG TGATTTTGC	339
30	(2) INFORMATION FOR SEQ ID NO: 4212:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4212:	
	GCGATGGTTG AAACATTGAC TGATATTAAA GAGTTTATGA ACCAAGTTGA GTCGCATAGC	60
	TAGTATGAAA CGTGGTGTGC GCATGGGAAC TATCAAGCTT TGAAGATGTG GTACTACATG	120
45	CGTTGAATTA GGGATCGGTA CTTTATATGA AGACGTGCTG CTTCCATTAA ATGAGTGATG	180
	CGATTTTGGC ATGAAGGTCA CCTmAAATGT ACATTGTTGT AATAAAATTG CCTATAAAAT	240
	TTTTAGCACA TAAAATAAGA GGGGCCAnCC ATTTTAGACT ATAACAACGG TTGGCTCTTT	300
50	GAATTGTAAA AAGAAAACCA TACGCTATGn TATT	334
	(2) INFORMATION FOR SEQ ID NO: 4213:	

5	<ul><li>(A) LENGTH: 332 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4213:	
10	CTATGATTTC ACCGAGTCTC TCGTTGAGAC AGTGCCCAAA TCGTTACGCC TTTCGTGCGG	60
	GTCGTTACCC GACAAGGAAT TTCGCTACCT TAGGACCGTT ATAGTTACGC CGCCGTTTAC	120
	TGGGGCTTCG ATTCGTAGCT TCGCAGAGTA NACCCACTCC TCTTAACCTT CCAGCACCGG	180
15	GCAGGCGTCA CCCTATACAT CACCTTACGG TTTAGCAGAG ACCTGTGTTT TTGATAAACA	240
	GTCGCTTGGG CCTATTCACT GCGGCTCTTC TGGGGCGTTA ACCCTAAAGA GCACCCCTTC	300
	TmCCGAAGTT TACGGGGTCA nTTTGCCGAG TT	332
20	(2) INFORMATION FOR SEQ ID NO: 4214:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4214:	
	CGCCTGGCAA CGTTCTACTC TAGCGGAACG TAAGTTGGCT ACCATCGTCG CTAAAGACCT	60
	TTCTTGACTT GTGACAATCG CTTGCTTCTT TCCTCTCCTT CGGCTCTCGC TTACTCATTT	120
35	AGCTCTACTA AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACG TTTTCACTTC	180
	GCCAAGCCAT TTTTCTTTGT GTTTACTTTT TANTTTGACG TTTTAGACAT AAAAAAAAGA	240
40	GACCTTGCGG TCTCAATGCG GCTCATCGCA TCCATTTTTT GCCTGGGCAA CGTTCTACTC	300
40	TAGCGGAACG TAAGTTGGGT ACCATCGACG CTAAGAACCT TCTTGGANTG TGGACAACGN	360
	TGG	363
45	(2) INFORMATION FOR SEQ ID NO: 4215:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 338 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
50	(D) TOPOLOGY: linear	

2873

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4215:

	TTATTTGTAT TGTATAGAGA GAAATAAAAA GANACCTTGT TTTACAAGGT TTCTAATACG	120
	TTATGTTATG TAAATAACAG TTAATTATAC CGGTGGTCGG GGTCGAACCG ACACTCCACA	180
5	AGTGGAACGG GGATTTTGAG TCCCGCGCGT CTGCCAATTC CGCCACACCG GCTTAATGGT	240
	AAACAAAAAA CTTCCCTTTG GAAGCAATTA TGGAGCGGAA GATAGGATTT ACACCTATAC	300
10	CTCGTTCCGG GAAGGACGTG TTCTAAAAGT TGACTACC	338
10	(2) INFORMATION FOR SEQ ID NO: 4216:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4216:	
	ACGGTGATCC CATAATGCTT GAACATCAAT TTCATCCATT AATGTTACAT GAGGTGCAGT	60
	ATGCTTAGAG TTAACCATTG CTTTCGCAAT TGCTCTACGC ATAGCAGGGA TTTTTTCAGT	120
25	TGTTTCTGGG AAGTCGCCTT CTAATGTTAC TGCTGCAGGT GCTGCAGGAG TTTCAGCAAC	180
	TTCTTCACTT GTAGCTGAAG CAGCTGATTC ATTTGAAGCT GTTGGTGCAC CACCATTTAA	240
30	GTATGCATCT ACATCTTCTT TTGTAATACG ACCATTTTTA CCAGATCCAG AAACTGCTTT	300
	AATGNTAACA CCTNTTTCAC GTGCGTATTA CGACTGAAGG CATGCCTTAA CAGTCNGGTT	360
	CACCACTCTC AGTTGAGAGC ACAGGGCTGC nCGCTGGCGC	400
35	(2) INFORMATION FOR SEQ ID NO: 4217:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 345 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double	
40	(D) TOPOLOGY: linear	
	(xi) SEOUENCE DESCRIPTION: SEO ID NO: 4217:	
45	AGGGAATCGA ATTTCTTTC TCTTCCTCCG GGTACTAAGA TGTTTCAGTT CTCCGGGTGT	60
	GCCTTCTGAT ATGCTATGTA TTCACATATC GATAACATGA CATAACTCAT GCTGGGTTTC	120
	CCCATTCGGA AATCTCTGGA TCAAAGCTTA CTTACAGCTC CCCAAAGCAT ATCGTCGTTA	180
50	GTAACGTCCT TCATCGGCTT CTAGTGCCAA GGCATCCACC GTGCGCCCTT AATAACTTAA	240
	TCTATGTTTC CATCCTACAG GAAACGCGTT ATTAATCTTG TGAGTGTnCT TTCGAACATA	300
	Termotite enterment officerott attantent indicate incomment	500

	(2) INFORMATION FOR SEQ ID NO: 4218:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 345 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4218:	
	GGCGCCCTCG TGCCAAACAG TGCTCTACCT CCAATAATCA TCACTTGANG CTAGCCCTAA	60
15	AGCTATTTCG GAGAGAACCA GCTATCTCCA GGTTCGATTG GAATTTCTCC GCTACCCTCA	120
	GTTCATCCGC TCACTTTTCA ACGTAATCGG TTCGGTCCTC CAnTCAGTGT TACCTGAACT	180
	TCAACCTGGA CCAAGGGTAG ATCACCTGGN TTCGGGTCTA CGACCAAATA CTAAACGCCC	240
20	TATTCAGACT CGCTTTCGCT GACGGCTCCA CATTTACTGC TTAACCTTGC ATCAAATCGT	300
	AACTCGCCGG TTGCATTCTA CAAAAGGCAC GCCATGCACC CATTA	345
	(2) INFORMATION FOR SEQ ID NO: 4219:	
<i>25 30</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 367 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4219:	
35	TCTTATGACT GCTTTTATT ATACTTTACA TTTCTCGTTT CGTCAGATTC AAACGTTTTC	60
	ACTTCGCCAA GCCATCTTTC TTTGTGTTTG CTTTTATTTT GACGTTTTAG ACATAAAAA	120
	AGAGACCTTG CGGTCTCAAT GCGGCTCATC GCATCCACTT TTTGCCTGGC AACGTTCTAC	180
40	TCTAGCGGAA CGTAAAGTTC GNACTACCAT CGACGCTAAG GAGCTTAACT TCTGTGTTCG	240
	GCATGGGAAC AGGTGTGACC TCCTTGCTAT AGTCACCAGA CATATGGAAT GTAAATTATA	300
45	CATTCAAAAC TAGATAGTAA GTAAAGTGGn TTTGCTTCGC AAACCNTTAT TTTGGTTAGT	360
10	CTTCGTC	367
	(2) INFORMATION FOR SEQ ID NO: 4220:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 342 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4220:	
	AAGAGCCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCACTT	60
5	ACTCATTTAG CTCTACTAAA CTCGTTGCGT TCTTTCTCG TTTCGTCAGA TTCAAACGTT	120
	TTCACTTCGC CAAGCCATTT TTCTTTGTGT TTGCTTTTTA TTTTGACGTT TTAGACATAA	180
	naaaaagaga ccttgcggtc tcaatgcggc tcatcgcatc cattttttgc ctggcaacgt	240
10	TCACTCTAGC GGAAnTAAGT CGAACTACCA TCGACGCTAA GGAGCTTAAC TTTCTGTGTT	300
	CGGCATGGGA ACAGGTGTGA CCCCCnTGGC TATAGTCACC AG	342
15	(2) INFORMATION FOR SEQ ID NO: 4221:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 337 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4221:	
25	ACCGGATGAC AGCCCCAGGA TGCGATGAGC CGACATCGAG GTGCCAAACC TCCCCGTCGA	60
	TGTGAACTCT TGGGGGAGAT AAGCŁGTTAT CCCCGGGGTA GCTTTTATCC gTTGAGCGAT	120
30	GGCCCTTCCA TGCGGAACCA CCGGATCACT AAGTCCGTCT TTCGACCCTG CTCGACTTGT	180
	AGGTCTCGCA GTCAAGCTCC CTTATGCCTT TACACTCTAT GAATGATTTC CAACCATTCT	240
	GAGGGAACCT TTTGAGCGCC TCCGTTACCT TTTANGAGGC GACCGCCCCA GTCAAACTGC	300
35	CCGCCTGACA CTGTCTCnCA CCACGATAAG TGGCGnG	337
	(2) INFORMATION FOR SEQ ID NO: 4222:	
‡O	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
<b>1</b> 5	( · )	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4222:	
	GGCGCTTGAC TAAAAAGAAA TTGTACATTG AAAACTAGAT AAGTAAGTAA AATATAGATT	60
50	TTACCAAGCA AAACCGAGTG AATAAAGAGT TTTAAATAAG CTTGAATTCA TAAGAAATAA	120
	TCGCTAGTGT TCGAAAGACA TCCACCAAGN TTAATAACGC GTTTAAATCT TTTTATAAAA	180
	GAAAACGTTT AGCAGACAAT GAGTTAAATT ATTTTAAAGC AGAGTTTACT TATGTAAATG	240

	ACATAGATTA AGTTATTAAG GGCGCACGGT GGGTGCCnTG GCACTTAGAA GCCGCTGAAG	360
	G	361
5	(2) INFORMATION FOR SEQ ID NO: 4223:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4223:	
•	CGGTAGAATA CAACCTTGCC AAGGTTGGCG TCGCGGGTTC GAATCCCGTC TTCTGCTCCA	60
	TTATTTTGCC GGGGTGGCGG AACTGGCAGA CGCACAGGAC TTAAAATCCT GCGGTGAGAG	120
20	ATCACCGTAC CGGTTCGATT CCGGTCCTCG GCACCATTTT AGCGCCCGTA GCTCAATTGG	180
	ATAGAGCGTT TGACTACGGA TCAAGAGGTT ATGGGTTCGA CTCCTATCGG GCGCGCCATT	240
	TTTAAATTAA TTGAATAACG GGAAGTTAGC TCAGCTTGGT AGAGCACTTG GTTTGGGGAC	300
25	CAAGGGTCGC AGTTCGAATC CTGTCTTCCC GATTACTCnT AAnTCCATTT AnGGGGGCTA	360
	GCTCAGTGGG GAGAGCGCTG CTTGCACGCA GGAGGTCACG	400
	(2) INFORMATION FOR SEQ ID NO: 4224:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4224:	
10	CATAATATAC TCTTAAGTGT AAAGGGGAAT TTCCTGGGTA ATAATTCGCG TGTGCACCTT	60
	GAGTGACTTC TACCATTTTA TAGTCAAATT GCTTTAGTTC GTTTGGTTTA ACGCCGACAC	120
	TCGCAAATGT ATAATCAAAG AACTTCACAA TATTGTTGCC TAAGAAGCCT TTGAATTCAA	180
15	TAGTGTCATT TCCAGCAATT TGTTCGGCAA CAATACTTGC TGCACGGGTG AGCGCCCCCA	240
	GnCAAAAGGA CCACTAGCCG GTAGAATCGA CATGTCGATA ATGTGATGGT TGCCAATAAT	300
50	CGCCTATTGC ATAATGTTTG GACCATTGGT TCCAAATTTA TCGTTACCGG TATGAAACCT	360
	TTCGATCCAG TTGGATAATT GAACTTCGNA AATTTGATTG	400
	(2) INFORMATION FOR SEQ ID NO: 4225:	

(A) LENGTH: 328 base pairs(B) TYPE: nucleic acid

5	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4225:	
10	GGGTTCAATT TCTGCATACC AATCGATGCC AGCTCTATTT CTGACAATAT CCATATATTT	60
	TGAAATTTTC TCTAATTCTT TGCCACTAAC CTTTTCACCA TTCAACCAAA ATTGATCCTG	120
	TGTTAACTGG TCGTTAAAAG TGACTTTCGT TTCAGTGTAA AATTTTTCTA ATGTAACAGA	180
15	TATGCTATTA TTCATTGGAA TGATTAGTGC TTCATCTTTT TTACCCCAAT ATTTTATnAG	240
	TGCAATATTC GTATGTGCAC GTGCTTTGCC ACTnnTAATC AACGCATTAA CCTCCTAAAT	300
	TCTCAATCCA AGTATGTGCT GCACCAGC	328
20	(2) INFORMATION FOR SEQ ID NO: 4226:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 325 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4226:	
	TGACGGGTTC GAACCGCCGA CCCTCTGCTT GTAAGGCAGA TGCTCTCCCA GCTGAGCTAA	60
	TTCTCCGATT TAAAACTGCC TGGCAACGTT CTACTCTAGC GGAANGTAAG TTCGNACTAC	120
35	CATCGACGCT AAGGAGCTTA ACTMCTGTGT TCGGCATGGG AACAGGTGTG ACCTCCTTGC	180
	TATAGTCACC AGACATATGA ATGTAATTTA TACATTCAAA ACTAGATAGT AAGTAAAAGT	240
	GATTTTGCTT CGCAAAACAT TTATTTTGAT TAAGTCTTCG ATCGATTAGT ATTCGTCAGC	300
40	TCCACATGTC ACCATGCTTC CACCT	325
	(2) INFORMATION FOR SEQ ID NO: 4227:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(v.) analytical processing of the second	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4227:	<b></b>
55	GCGCAACTCA CACAACAAGG TGGCAATCAC TCTGAACAAA GTGCGGCAAn TTnTTCAACA	60

	AACCTTACGC AAGAAGCACG TGACGGTTTA TTAGATCCAG TCATTGGTCG TGGATAAAGA	180
	AATTCAAGNA ACTGCTGAAG TTTTAAGTAG ACGAACTAAA AACAATCCTA TATTAGTTGG	240
5	AGAAGCTGGT GTTGGTAAAA CTGCGATTGT TGGAAGGTTT AGCACAGGCA ATCGTTGGAA	300
	GGAAATGTAC CAGCAGCAAT CAAAGACAAA G	331
	(2) INFORMATION FOR SEQ ID NO: 4228:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 333 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4228:	
20	AGAGGTCCGT TGCCTTACCG CTTGGCTATA GCCATTAATA ATAAGGGCGG CTGAAGGGGA	60
	TCGAACCCTC GAATGTCGGA ACCACAATCC GATGTGTTAA CHCTTCACCA CAGCCGCCAT	120
	GGCAGGGGCA GTAGGAATCG AACCCACACC AAAGTTTTGG AGACCTCTAT TCTACCGTTG	180
25	AACTATGCCC CTATTAAAAA TAATAAATGG AGGGGGGCAG ATTCGAACTG CCGAACCCGA	240
	AGAGCGGATT TACAGTCCGC CGCGTTTANC CACTTCGCTA CCCCTCCATA AATGGTGCCG	300
	GCCAGAGGAC TTGNAACCCC CAACCTAATG GTT	333
30	(2) INFORMATION FOR SEQ ID NO: 4229:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4229:	
	CTCTTACTTT GTAAACCAAA TCTTAAATTA AAATATTGAA AATGCAATGn ATCCTTAATA	60
	TITTATTAAA CCTATAATTA CTTATTAAAA ATAACACACA ATATTCATAA AGTTTTAAAA	120
45	ATATTCTGTT TTATCACCTA CTATTAGTGG AAAAGTACAA TTGCAATTGT ATATAGTTTG	180
	CATAACGCTT CAAAAGTAAT TTCTTTTTTG TTTAGTTCAA AAAAATTTAG AGGTGATGTT	240
	ATATGAATAA CGGTTTTTTC AATAGCGACT TTGATTCAAT TTTTCGAGGA TGATGAAAGA	300
50	TATGCAAGGT TCAAATCAAG TCGGAAACAA AAGTACTATA TTNATGGTAA GGAGTTTCAC	360
	CTGAGGACTG GCGCAACTnC ACACACCAGG TGGCCATCAC	400

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 339 base pairs

5	(B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4230:	
10	CATTAACGGG CTCTGACTAC TTGTAAGCAC ACGGTTTCAG GTTCTATTTC ACTCCCCTTC	60
	CGGGGTGCTT TTCACCTTTC CCTCACGGTA CTGGTTCACT ATCGGTCACT AGAGAGTATT	120
15	TAGCCTTAGG AGATGGTCCT CCCAGATTCC GACGGAATTT CACGTGCTCC GTCGTACTCA	180
	GGATCCACTC AAGAGAGACA ACATTTTCGA CTACAGGATT ATTACCTTCT TTGATTCATC	240
	TTT-CAGATG ATTCGTCTAA TGTCGTCCTT TGTAACTCCG TATAGAGTGT CCTASAACCC	300
20	CAACAAGCAA GCTTGTTGGT TTGGGnTCTT GCCGTTTCG	339
	(2) INFORMATION FOR SEQ ID NO: 4231:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 349 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4231:	
	GAAGTCATAT GCATACACTT GGTTATCATT ATTCATACGT TCAATCGCAT CTGTTAACTG	60
35	AATTTCGTTA CCTGCGCCTT CTTTTTGCGT TTTTAAATAA TCGAAAATTT CAGGCGTTAA	120
	TACATAACGT CCCATAATAG CTAGGnTTGA TGGTGCCGTA CCTTGTGCTG GCTTTTCAAC	180
	AAACTTTTTC ACTTCAGACT GACGTCCGTn TTTAGTTAAT GGGTCAATAA TTCCATAACG	240
40	ATGAGTATCT GCTTCCGGAA CTTCTTGGAC ACCTATAACT GAGTGCCCTG ThTCTTCATA	300
	AACGTCAATC AACTGTTTCA CTGCTGGCAC TTCAGAGTCA ACAATATCG	349
	(2) INFORMATION FOR SEQ ID NO: 4232:	
45	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 377 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4232:	

	CCAGGATGCG ATGACCGACA TCGAKGTGCC AAACCTCCCC GTCGATGTGA ACTCTTGGGG	120
	GAGATAAGCC TGTTATCCCC GGGGTAGCTT TTATCCGTTG AGCGATGGCC CTTCCATGCG	180
5	GAACCACCGG ATCACTAAGT CCGTCTTTCG ACCCTGCTCG ACTTGTAGGT CTCGCAKTCA	240
	AGCTCCCTTA TGCCTTTACA CTCTATGAAT GATTTCCAAC CATTCTGAGG GAACTTTGAG	300
10	CGCCTCCGTT ACCTTTTAGG AGGCGACCGC CCAGTCAAAC TGCCCGCCTG ACACTGTCTC	360
70	CCACCACGAT AAGGTCG	377
	(2) INFORMATION FOR SEQ ID NO: 4233:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4233:	
	GGCTAGCCTC AAGTGATGAT TATTGGAGGT AGAGCACTGT TTGGACGAAG GGCCCCTCTC	60
25	GGGTTACCGA AGTTCAGACA AACTCCGAAT GCCAATTAAG TTTAACTTGG GAGTCAGAAC	120
	ATGGGTGATA AGGTCCGTGT TCGAAAGGGA AACAGCCCAG ACCACCAGCT AAGGTCCCAA	180
30	AATATATGTT AAGTGGAAAA GGATGTGGCG TGGCCCAGAC AACTAGGATG TTGGCTTAGG	240
	AAGCAGCCGT CATTTANAGA GTGCGTAATA GCGCACTAGT CGAGTGACAC TGGGGGGAAA	300
	GGGTACCGGG GCTGAACATA TTACCGAAGC TGGTGGGTTG TCCTTTGGAC AnTTn	355
35	(2) INFORMATION FOR SEQ ID NO: 4234:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4234:	
45	ATCCGCCTCC CGCAATATTT TATAGGTCTC GTAGTGTAGC GnTTAACACG CCTGCCTGTC	60
	ACGCAGAGAT CGCGGGTTCG ATTCCCGTCG AGACCGCCAT CATTACATTT TTATTATGGT	120
50	TCAGTAGCTC AGTTGGTAGA GCAATGGATT GAAGCTCCAT GTGTCGGCAG TTCGACTCTG	180
50	TCCTGAACCA TTTCTTAGCC GGCCTAGCTC AATTGGTAGA GCAACTGACT TGTAATCAGT	240
	AGGTTGGGGG TTCAAGTCCT CTGGCCGGCA CCATTTATGG AGGGGTAACG ANTGGGCTAA	300

	TTAATAATTT TAATAAGGGG CATANTTCAA CGGTANAATA	400
	(2) INFORMATION FOR SEQ ID NO: 4235:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 341 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4235:	
15	ATGCCATGTT CACCTTGTTT AAAATCAAGG TTTGTAATGT TTCCTTGTGT CACGATAATA	60
, 5	GGCGTAATAT CACTCTTTGC ATGATTGCGG ATGTAGTCTA AATCAAAGTT GATTAATAAA	120
	TCACCTTCTT TAACTnnTTG ACCTTCCTCA ACATGTAAAG TAAAGCCTTC TCCGTTTAAT	180
20	TTAACAGTGT CTAAACCGAT GTGGATTAAT AGTTCTAAAC CACTATCTGA TACAAGACCA	240
	ATTGCATGNT TTGTTGGGAA AATCATTTGT ACTTTACCGT TGAATGGTGC ACGAACTTCA	300
	CCTTGTGAGG TTTGATAGCG ATACCGTCAC CCATGCATTT T	341
25	(2) INFORMATION FOR SEQ ID NO: 4236:	
30	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4236:	
55	GTTGATGCAG CCCGTTGAGC TCTAAACCAA CTGAGCTAAA GGTCCTAAAT ATAATTTTAC	60
	AACTAATAAA TAGTGGCGGT GGAGGGGATC GAACCCCCGA CCTCACGGGT ATGAACCGTA	120
40	CGCTCTAGCC AGCTGAGCTA CACCGCCTTA TATAGTTTGT AAATAATATG GTGGAGACTA	180
	GCGGGATCGA ACCGCTGGAC CTCCTGCGTG CAAAGCAGGC GCTCTCCCAG CTGAGCTAAG	240
	CCCCCATAAT AATTACAGTA TATCGGGAAG ACAGGATTCG AACCTGCGAC CCCTTGGTCC	300
45	CAAACCAAGT GCTCTACCAA GCTGAGCTAC TTCCCGTATA ATTAACGnGC CCGTAGGAGT	360
	TGAACCCATG AACCTNTTGA TCCNTAGTnC AAACGGTCTA	400
	(2) INFORMATION FOR SEQ ID NO: 4237:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 376 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4237:	
	NANTTCTTGA CCTGACATCA CCTGAAATTG AATGGACATG GTCCACCAGG TCATATACTC	60
5	TAATCCATGG GTCGCCGATA CCTTCAACGN ACAACATCTA CACCACTATT TCTAATACAG	120
	AATCTTTCTC CTGCACTACC GTTAATAAAT GCCTTACCAC TTGTCGCACC ATAGAATGAG	180
10	ACGITACCAG CAATAATTIC ATTITGICGI ICTICAAAAG GIGCIIITGAC AAIGACCGIA	240
	CCACCAGATA ATCCTTTACC AACATAGTCA TTCGCATCTC CAGTATGATG AATCATTAAG	300
	CCTTTCGGTG CATATGCTGC AAGACTTTGA CCAGCATGAC CATTCGTATA AACATTAATT	360
15	GTATTTCAG GAAGTC	376
	(2) INFORMATION FOR SEQ ID NO: 4238:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 335 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4238:	
	CGATTTAAAG CTAAGCCCAT TTTCGCTCTT TCTCCATAGC CTAACCAAGC AATACGTGAT	60
30	GGTAGTCCTT GATATGAAAT TTTTTCTTCA GCTAAATCAA GCCATCTTAA TAACTTTTCA	120
50	TTTTCTGGGA AAAGTTTGCG CATTTCTTCA TCCGCACGCT CGATATCTTT TGGATCACCA	180
	CTCAACGCAG CAAAGCGGAA TGGCCCTTTA CCTTCACAGA ATAATGGTCT AATGTAAGCT	240
35	GGTACAAAAG CTGGGAAGTC ANAAAGCATT TTTCACTCCG TATTGAAGGC TACTTGACGA	300
	TATGRITACCA TAATCAATGC TACAGCGCCA CGTTG	335
	(2) INFORMATION FOR SEQ ID NO: 4239:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4239:	
50	CCACANTTAC AAGCAACTAC TGAAGGCGCT GTATTTATTA AAGGTGGCGA CGGTTTTGAT	60
50	TTCGGACACG TAGAAAGATT TATTCAAAAC CCGCCACATG GGGCAACGGT TGCATGGCAT	120

	TTACCTAATG GTCAAGGTAC GCGTAATGTT GAAGTTCCAG TCAAAGTTTA TCCAGTTGCT	240
	AATGCAAAGG CGCCATCACG TGATGTGAAA GGTCAAAATT TGCTGTTGGA CGGATGCGAT	300
5	GAACTACATT ACATTTGTCC ANTACAACAC AGATNGTATC ACTGCAGC	348
	(2) INFORMATION FOR SEQ ID NO: 4240:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 395 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4240:	
	TTGATGTTAA AGATTTAGCA AGGGGCGAGA GAACTGGAGA AGAGGTTGCC AAACGAATGG	60
20	AACGTGCTTC TGTATTGGCC CAAGTAGATA TTCATCGTGC AGCAACACAT AATAAAGGTG	120
	TTATGAATGG CATACATGCT GTTGTTTTAG CAACAGGAAA TGATACGCGT GGTGCAGAAG	180
	CAAGTGCGCA TGCATTACGC GAGTTCGTGA CGGACAGTAT CGTGGTATTG CTACATGGCG	240
25	TTACGATCAA GATCGTTCAA CGATTTGATT GGTACATTGG AAGTGCCTAT GACATTGGCA	300
	ATCGTTGGCG GTGGGTACAA AAGTATTACC AATTGCTAAG CCTTCATTAG GAGNTACTAA	360
	ATGGTAGAGT CCGCCCCAAG AATTANGNCC CTGTA	395
30	(2) INFORMATION FOR SEQ ID NO: 4241:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4241:	
	ACTAATGATT TATTATGTAG TGGTTCTTTG TCATTAGCCA CAGCTATTGT GTACTTAAAA	60
	ATAGGAATGC ATGAGTGCAA CTCTAnAngn AGCATACTAA TTTCTAAAGA AAAAGTATTT	120
45	CTTTATGTTG GGGCCCCGCC AACTTGCATT GTTTGTAGAA TTTCTTTTCG AAATTCTTTA	180
	TGTTGGGGCC CCGCCAACTT GCATTGTTTG TAGAATTTCT TTTCGAAATT CTTTATGTTG	240
	GGGCCCCGCC AACTAATTCC AATATATCAT TGTAGAGCTT AGGTCATTGA TTTTTGGCTC	300
50	GGACTTTTAT GGCGATATGA ACCATGTAAA T	331
	(2) INFORMATION FOR SEQ ID NO: 4242:	

5	<ul><li>(A) LENGTH: 389 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4242:	
10	TGCATTGCAT TATTGTACTG CGTAATTGTA CCTGGCTTTT TACCTTCAGT GCTTACTGGA	60
	TCATCTAAAT GATTTTTAGC TGTGATTAAC TCACGTTTAT CCGCTTTTGT GAAAATGGAC	120
	TCTTGTACTT CTTCAGTACT ACCATCATTG TAAGTTACTG TCACAGGAAT CGTCGTTGTG	180
15	CTACCACCAG CTAAATTAGT AGGCATTGCT GTGCCATTTT TAATCGTTGC AGTACGTTTA	240
	TTAGCAACTT GAACTGCATT GTTAATTTCA GCTGCTGTTA CATTTGAACC ATAATCTTTC	300
	ACAATTNCAG TTGTGTTGAC AGATGAGNGG CGGTGCAGTA AGGACTGGAT ACACTACGAG	360
20	TGACCGGACT GCTTCGGGNA ATGTGATGA	389
	(2) INFORMATION FOR SEQ ID NO: 4243:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 322 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4243:	
	ATACGCATGT TAACGATCGA ATGCTTAATG TCCCGGGAAA TAAATCTATC ATAAGTTACT	60
35	TTAATGAAGT TGTCTCACGA CAAGGTAATC ATGTTGCGCT ATCATGAATG ATTTGACAAT	120
	GACGTATGAA CATTACGCAA CTATGTGGAT GCCATTGCGC ACATGCTCCT ATCAAATGGT	180
40	GTGGGCAATG GTCAACGGGT TGCCTTGTTT ACAGAACGTn TTTTGGAAAT GATTGCGGCG	240
	ATGTTGGCGA CAGTTAAAGT AGGTGCATCT TATATACCTA TCGATATTGA TTTTCCGAAT	300
	AAACGACAAG GTGCAATTTT GG	322
45	(2) INFORMATION FOR SEQ ID NO: 4244:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 339 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4244:	

	CAGTTCTCCG GGTGTGCCTT CTGTATATGC TATGTATTCA CATATCGATA ACATGACATA	120
5	ACTCATGCTG GGTTTCCCCA TTCGGAAATC TCTGGATCAA AGCTTACTTA CAGCTCCCCA	180
	AAGCATATCG TCGTTAGTAA CGTCCTTCAT TGGCTTCTAG TGCCAAGGCA TCCACCGTGC	240
	GCCCTTAATA ACTTAATCTA TGTTTCCACC ATTTTTATAA GTCAAACGTT AACATGAAGT	300
10	TACGTTCTTT TATAAAAAGA TTTAAACGCG TTATTAATC	339
	(2) INFORMATION FOR SEQ ID NO: 4245:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 358 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4245:	
	CCATTAACGG GCTCTGACTA CTTGTAAGCA CACGGTTTCA GGTTCTATTT CACTCCCCTT	60
25	CCGGGGTGCT TTTCACCTTT CCCTCACGGT ACTGGTTCAC TATCGGTCAC TAGAGAGTAT	120
	TTAGCCTTAC GAGATGGTCC TCCCAGATTC CGACGGAATT TCACGTGCTC CGTCGTACTC	180
	AGGATCCACT CAAGACAGAC AACATTTTCG ACTACAGGGA TTATTACCTT CTTTGGATTC	240
30	ATCTTTCCAG ATGATTCGTC TAATGTCGTC CTTTGTAACT CCGTATAGAG TGTCCTACAA	300
	CCCCAACAAG CAAGCTTGTT GGTnTTGGGC nACTTCCCGG TTTCGGTTCG GCCGCnAA	358
	(2) INFORMATION FOR SEQ ID NO: 4246:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 338 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4246:	
45	AAAGAGACCT TGCGGTTAGA TGCGGCTCAT CGCATCCATT TTTTGCCTGG CAACGTTCTA	60
	CTCTAGCGGA ACGTAAGTnG AnCTACCATC GACGCTAAGG AGCTTAACTT CTGTGTTCGG	120
	CATGGGAACA GGTGTGACCT CCTTGCTATA GTCACCAGAC ATATGAATGT AATTTATACA	180
50	TTCAAAACTA GATAGTAAGT AAAAGTGATT TTGCTTCGCA AAACATTTAT TTTGATTAAG	240
	TCTTCGATCG ATTAGTATTC GTCAGCTCCA CATGTCACCA TGCTTCCACC TCGGAACCTA	300
55	TTAACCTCAT GCATCTTTGA GGGGnGCTTG ATAACCGA	338

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4247:	
	CCCCGGGTAG CTTTTATCCG TTGAGCGATG GCCCTTCCAT GCGGAACCAC CGGATCACTA	60
	AGTCCGTCTT TCGACCCTGC TCGACTTGTA GGTCTCGCAG TCAAGCTCCC TTATGCCTTT	120
15	ACACTCTATG AATGATTTCC AACCATTCTG AGGGAACTTT GAGCGCCTCC GTTACCTTTT	180
	AGGAGGCGAC CGCCCAGTCA AACTGCCCGC CTGACACTGT CTCCCACCAC GATAANGGCG	240
	GGGGTTAGAA AGCCAACACA GCTAGGGTAG TATCCCACCA GCGCTCCACG TAACTANCGC	300
20	TCACGTTTCA AAGNTCTACC TATCCTGTAC A	331
	(2) INFORMATION FOR SEQ ID NO: 4248:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 371 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4248:	
35	ATAATCATAC AGATGGCAAT ACAACAGCAA CTGAGACAGT GTCAAACGCT AATAATAATG	60
30	ATGTAGTGTC GAATAATACC GCATTAAATG TACCAACTAA AACAAATGAA AATGGTTCAG	120
	GAGGACATCT AACTTTAAAG GAAATTCAAG AAGATGTTCG TCATTCTTCA AATAAACCAG	180
40	AGCTAGTTGC AATTGCTGAA CCAGCATGCT AATAGACCGA AAAAGAGAAG TAGACGTGCG	240
	GCACCGGCAG ATTCCTAAAT GCAACTTCCA GCCAGATCCA GCGGCTGCAG CGGTATAGAA	300
	ACGGTGGTGC CACCAGTTTG CCAATTTACA GCGCCCATAT TACGCCAACA ACTGGTnCCC	360
45	TAATGCCCAA T	371
	(2) INFORMATION FOR SEQ ID NO: 4249:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AATTGCATGG CATAACATCG GCGATTAAAA GATGGACGTT TTGATGATGT ACAACAAGAC	60
5	ATTGAAGCAG TGGTGAAAGC TGCGAAGGTC ACACAGTAAA AGTGATTATT GAGACGGTAT	120
3	TGTTGGACCA TGACGAAATT GTAAAAGCGA GTGAATTAAC AAAAGCGGCT GGTGCGGACT	180
	TCGTTAAAAC TTCAACAGGT TTTGCAGGTG GCGGTGCGAC TGCAGAAGAC GTTAATTAAT	240
10	GAAAGATACA GTAGGTGCTG ATATAGAAGT AAAAGCTCAG GTGGCGTACG TATTnTAGAA	300
	GTTTCAATGA ANGGTTGAAG CAGGTGCGAC ACGTANTGGT GCGAGCGCAG CGTTCAA	357
	(2) INFORMATION FOR SEQ ID NO: 4250:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 352 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(2) 1313231 2211333	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4250:	
	GAGCCCAAAC CAACAAGCTT GCTTGTTGGG nGTTGTAGGA CACTCTATAC GGAGTTACAA	60
25	AGGACGACAT TAGACGAATC ATCTGGAAAG ATGAATCAAA GAAGGTAATA ATCCTGTAGT	120
	CGAAAATGTT GTCTCTCTTG AGTGGATCCT GAGTACGACG GAACACGTGA AATTCCGTCG	180
30	GAATCTGGGA GGACCATCTC CTAAGGCTGA ATACTCTCTA GTGACCGATA GTGAAGNAGT	240
	ACCGTGAGGG AAAGGTGAAA AGCACCCCGG GAAGGGGAAG TGAAATAGAA GCTGGAAACC	300
	GGTGTGCTTA CAAGGTAGTC ANAGCCCGTT AATGGGTGAT GGCGTGCCTT TT	352
35	(2) INFORMATION FOR SEQ ID NO: 4251:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 331 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4251:	
	CATTTACTGC TTAACCTTGC ATCANATCGT AACTCGCCGG TTCATTCTAC AAAAGGCACG	60
	CCATCACCCA TTAACGGGCT CTGACTACTT GTAAGCACAC GGTTTCAGGT TCTATTTCAC	120
50	TCCCCTTCCG GGGTGCTTTT CACCTTTCCC TCACGGTACT GGTTCACTAT CGGTCACTAG	180
	AGAGTATTTA GCCTTAGGAG ATGGTCCTCC CAGATTCCGA CGGAATTTCA CGTGCTCCGT	240
55	CGTACTCAGG ATCCACTCAA GAGAGACAAC AThTTCGACT ACAGGATTAT TACCTTCTTT	300

	(2) INFORMATION FOR SEQ ID NO: 4252:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4252:	
	TATTTGATAT TITGTGCATT GCAGTCAAAC CATGGCGGAA ATTGAACCAA TACCATTGCT	60
15	AATTTTTTCT GTGTATGTAA GGGCTCTAAC ATATTCTTAA ATTGATCAAA TAGTTCTnGC	120
	CTTGTATCTG CAAATGTTTT GTAGTCTGCA TGCAATGTGA GTGCTTGATG AATTTTGACC	180
	ACAAATTCAA ATGTATCAGG CGTTTCTTTT ATCCATTTCA ATATATTTCT TTCCGGTTGT	240
20	ATCGCATAGT ATGTCGCATC TAATTCGCAA CCGGAAAATG TCCAGCATAT GTTTTAAGGT	300
	TATCGGTTTG GCGTTCTAAA TCTGCATATA ATGAATAGTG ATCACCCCAA CCTGTTAAAT	360
25	CCGATGGTTA TCCAnatgat GATCACCATG TCATCAnaCC	400
	(2) INFORMATION FOR SEQ ID NO: 4253:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 327 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4253:	
	AAAGGTATCA AAGATGTTAA AGTTACTTTA TTAAATGAAA AAGGCGAAGT AATTGGNACA	60
40	ACTAAAACAG ATGAAAATGG TAAATACTGC TTTGATAATT TAGATAGCGG TAAATACAAA	120
40	GTTATTTTTG AMAAGCCTGC TGGCTTAAAC ACAAACAGTT ACAAATACAA CTGAAGATGA	180
	TAAAGATGCA GATGGTGGCG AGTTGACGTA ACAATTACGG ATCATGATGA TTTCACACTT	240
45	GATAACGGAT ACTTCGAGGG GATGACATCA GACAGCGATT CAGACTCCAG ATAGTGACTC	300
	AGNCAGCGAC TCAGACTTCA GACAGCG	327
	(2) INFORMATION FOR SEQ ID NO: 4254:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4254:	
5	AGATGACATT AAATAGCATC TCCTCGTGTT GATTATTTTG GTTGGCTGAC CAATATTTAT	60
3	TCTAGCACGT AGAGATGCAT TTTTTGTGAC AATGGTAGAA CCTTTTCTGA ACCATACGCA	120
	TAGGATTGTn CTnTTTTACA ATTAAAGAGC CAACCGTTGT TATAGTCTAA CAATGGTTGC	180
10	CCTCTTATTT TATGTGGCTA AAAATTTATA GGCAATTTTA TTACAACAAT GTACATTTAA	240
	GGTGACCTTC ATGCCAAAAT CGCATCACTC ATTTAATGGA AGCAGCACGT CTTCATATAA	300
	AGTACCGATC CCTAATTCCA ACGCATGTnG	330
15	(2) INFORMATION FOR SEQ ID NO: 4255:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 344 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4255:	
	ATTAGTGATT GTAAAAAGT AAAACTATTC TTGGGAGTCG GACATAAATC AATGTCTAGA	60
	CTCTATAGTG TTGTATTTGG CAGTAGTTGA CGGGGCCCCA ACATAAAGAA ATACTTTTTC	120
30	TTTAGAAATT AGTATTTCTT ATACATGAGT TTTACTCAGG ATATCCTATT TTTAAATACA	180
	CATTAGCTGT GTTTAATGAT AAAGAACCAC TACATCATAA ATCTTTAATG GTTCTTTATC	240
	AATTCCTTCC CCCCTCTCAT GTTTTGTATC TTTAAATCAA TATAATTCAA AAAAGGGTCG	300
35	AAGATATGAn ATCACATCTT CGACCCTTnn TTGTACTAAT TTAA	344
	(2) INFORMATION FOR SEQ ID NO: 4256:	
40	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 323 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4256:	
	CCAGTAATAT CTAAATGAGT TGGATATTTA ACTTTCGCAT TAATTTCAAT ATTAAATTGC	60
.50	GTTACCGCGA CAAGnCATnA CACAACATAC ATAATAAGAT TGGCTAAAAA GATATAGTTA	120
	AAGCTAAATT CTGCGACAAA GCCGCCCATT GCAGCACCGA CAGCCACACC AATATTTTGC	180
	GCTAAGTATA TCGCATTAAA CGTTTGTCTT CCGCCATTTG GCCACACTGC TCCAGCCATA	240

	TACCAAGGCC ACCCGTGGAN AGA	323
5	(2) INFORMATION FOR SEQ ID NO: 4257:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 369 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4257:	
15	GCTGACTTTC CACCAGCCTC TGTGTTGGGG CCCCGACTAT TTTTGAAAAG AGCGTGTTAC	60
	ACGGTCATTG TTTTACAGTC AACTACTGCT AAAATAAAAT	120
20	TTTCTGTCCC AAGCTCGTTA AATCACATAT GATAATTAAT TATGCCCAAC CACGATATCT	180
20	AGCTGCTTCT GCTGTACGTT TAATACCTAT GGATATATGC TGCAnTCTGC ATATCTATTT	240
	TTCGGTTTTG AGACAATTCG TAAATCGTAT CAAATGCCGC TTCTAATTTT TnCACGTGGC	300
25	TTTTGCATTG AACTTCTTCT nGCAGGACCA ATAATAACCT TGGATTATTT TGTGACCCAT	360
	GCGGAGTGA	369
	(2) INFORMATION FOR SEQ ID NO: 4258:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 335 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4258:	
40	CCTTTTCAA AATCATTGGA TGCATCGATA AATAGTACGT TGTCGTCTTG TTGGCGACAT	60
	TTTTTAAATA CTAAAATACA TGTTGGAATA CTTGTCCCAT AGAAAATATT GGCTGGTAAC	120
	CCAATCACGG CTTCTAAGTA GTTCTTTTCT TCTATTAAAT AGCGACGAAT CACACCTTCT	180
45	GCGGCACCAC GAATAATACA CCATGNGGAG TACGACGCCA NGTACCTTCA TCGTCTAGTA	240
	ATGTACCAGT GTTGAATAAA GCAAAGTCTG CTTTGATTTT GGCGCAACTT GCCGTAACCA	300
	CTGAATCGTT CATCATTTCA AATTTGAACT GCTGT	335
50	(2) INFORMATION FOR SEQ ID NO: 4259:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 324 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
ي ر	(C) SIRAMDEDNESS: COUDIE	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4259:	
5	ATTTCGCTAC CTTACGACCG TTATAGTTAC GGCCGCCGTT TACTGGGGCT TCGATTCGTA	60
3	GCTTCGCAGC nACAACCACT CCTCTTAACC TTCCAGCACC GGGCAGGCGT CACCCTATAC	120
	ATCACCTTAC GGTTTAGCAG AGACCTGTGT TTTTGATAAA CAGTCGCTTG GGCCTATTCA	180
10	CTGCGGnTCT TCTGGGCGTT AACCCTAAAG AGCACCCCTT CTCCCGAAGT TACGGGGTCA	240
	TTTTGCCGAG TTCCTTAACG AGAGTTCGCT CGCTCACCTT AGAnTTCTCA TCTTGACTAC	300
	CTGTGTCGGT TTGCGGTACG GGCA	324
15	(2) INFORMATION FOR SEQ ID NO: 4260:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4260:	
	AAGCGGTTGT TAGACAATGC ATTAAGAAAA ATTAAAGCGG AGTTTACTTT TGTAAATGAG	60
	CATTTGATTT TTTGAAAATA AAGCAGTATC GGGCGCTTGA CTAAAAAGAA ATTGTACATT	120
30	GAAAACTAGA TAAGTAAGTA AAATATAGAT TTTACCAAGC AAAACCGAGT GAATAAAGAG	180
	TTTTAAATAA GCTTGAATTC ATAAGAAATA ATCGCTAGTG TTCGAAAGAC ACGAGCAAGA	240
	TTAATAACGC GTTTAAATCT TTTTATAAAA GAAAACGTTT AGCAGACAAT GAGTTAAnTT	300
35	ATTTTAAAGC AGAGTTTACT TATGTMAATG GAGCATTGAA AATMATGAAA ACGAGCCCGT	360
	ATGTGGAGCG TTTGGACTTA TAAAAATGGT GGGAAACATA	400
40	(2) INFORMATION FOR SEQ ID NO: 4261:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4261:	
50	AATTAATGTG CGAGTTGGGG TGGGACGACG ATAAAGAAAT ACTTTTCTA TAGAAATTAG	60
	TATTTCTTAT GCATGAGTTT TACTCAGTAA TTCCTATTTT TAAGNACACA TTAGCTGTGG	120

	CTCCCCTGAG AAGTTTAAAA TTTTATATGT TGGCTTGTTA TGTTAAGGGA ATTAACATGG	240
	TTGTCTTGTT TATATTATGT GATTCAAACA TTACTAGTCT TGGTAAATCT AATTCGTAAA	300
5	ATGCTAAATC TAACCATCTA TTAAATTTAA AACC	334
	(2) INFORMATION FOR SEQ ID NO: 4262:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4262:	
	TTTCGGTCAT ATTCAAACGT TTTCACTTCG CCAAGCCATT TTTCTTTGTG TTTACTTTTT	60
20	ATTTTGACGT TTTAGGCATA AAAAAAAGAG ACCTTGGCGG TCTCAATGCG GCTCATCGCA	120
	TCCATTTTTT GCCTGGCAAC GTTCTACTCT AGCGGNAGTA ATTGGGCTAC CATCGTCGCT	180
25	AAAGACCTTT CTTGACTTGT GACAATCGCT TGCnTCTTTC CTCTCCTTCG GCTCTCGCTT	240
	ACTCATTNAG CTCTACTAAA CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA TTCAAACGTT	300
	TTCACTTCGC CAAGCCATTT TTCTTTGTGT	330
30	(2) INFORMATION FOR SEQ ID NO: 4263:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 339 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4263:	
40	GAGGTATACC CCGGGACGGC TGAAGGGGAT CGAACCCTAC GNAATGTCGG AACCACAATC	60
	CGATGTGTTA CCACTTCACC ACAGCCGCCA TGGCAGGGGC AGTAGGAATC GAACCCACAC	120
45	CAAAGGTTTT GGAGACCTCT ATTCTACCGT TGAACTATGC CCCTATTAAA AATAATAAAT	180
	GGAGGGGGC AGATTCGAAC TGCCGAACCC GAAGAGTCGG ATTTACAGTC CGCCGCGTTT	240
	AGCCACTTCG CTACCCCTCC ATAAATGGTG CCGGCCAGAG GACTTGAACC CCCAACCTAC	300
50	TGATTACAAG TCAGTTGCTC TACCAATTGA GCTAGGCCG	339
	(2) INFORMATION FOR SEQ ID NO: 4264:	
	(i) SEQUENCE CHARACTERISTICS:	
55	(A) LENGTH: 351 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4264:	
	GTATTTCAAA GTAAAATTAC ATGTTAATAC GTGnTTAATG GGCGAGACTC CTGAGGGAGC	60
10	AGTGCCAGTC GAAGCCGAGG CTGAGACGGC ACCCTAGGAA AGCGAGCATT CAATACGAGA	120
	TnTnATGAAA TAGAGAACAG CAGTAAGATA TTTTCTAATT GAAAATTATC TTACTGCTGT	180
	TTTTTAGGGA TTTATGTCCC AGCCTCTTAC TCTAATTATA TTCACTATCA ATTAGACAAA	240
15	ATGGCCATTT TCAAATATCA CGCGTTGTTT CTGACCTTGA ATATATTTAT TATAATTCTC	300
	TTTTTGGAAA ATCAGTTAAC ATTAATTTAG ATGTACCGTA TTTTTAACAC T	351
20	(2) INFORMATION FOR SEQ ID NO: 4265:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 346 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4265:	
30	ATTTTCACTT TAAAACCTGC TTCTTTGGCT TTTTGCATAT AATGTTGCGA TTGTTCTATT	60
	GTAAATACAC CTGTTTCACA GAAAATATCC GCAAAGTCTG CATATTGTTT TACTTCCGGA	120
35	AGTAACGCAA TCATTTCTTC TAAAAATGCC TCATTTGAAC TTGCCTCTTT AGGTACAGCA	180
33	TGAGGCCCTA GGAAAGTATG TTTCATGTCT AAATCATATT TCTCAGCTAA ACGnTTAGAC	240
	ACTITICAATT GCTTCAGTTC ATTITCTCTA TCTAATCCAT AAACCACTCT TGACTTTCAA	300
40	CTGCAGTCAC GCCGTGTTTn AATCCATAGT AAGACAAAnC ATGACT	346
	(2) INFORMATION FOR SEQ ID NO: 4266:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4266:	
	TCAAACGCTC TATCCAATTG AGCTACGGGC GCATATGTTT TTATTGAAAA TGGTGCCGAG	60
55	GACCGGAATC GAACCGGTAC GTGATCACTC ACCGCAGGAT TTTAAGTCCT GTGCGTCTGC	120

	CCAACCTTGG CAAGGTTGTA TTCTACCGCT GAACTACTTC TGCATATGCG GGTGAAGGGA	240
	GTCGAACCCC CACGCCGTAA GGNTGAGATC CTAAGTCTAG TGCGTCTGCC AATTCCGCCA	300
5	CACCCGCCAA TGGTGAGNCA TAGAGGNTTC GAACCTCTGA CCCTCTG	347
	(2) INFORMATION FOR SEQ ID NO: 4267:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4267:	
	GACTTGTTCT CTTGGACCTA TATCATGTTC TTTATTTTCT AATGCAGGAT CTTTAATTGC	60
20	ATCTTTAAGT GATTCATCCG CTGCAGGATA GTTTTTCGCA GTGTTTGCTG GTTGCGTGAG	120
	GTnTGTGTTT GATTTGTATC CTTAGGTGGC TGAGTTGTAG TTGCATTATT ATTTTGATTT	180
25	TCCGAGATTT TATCTGAAGT ATTTGTATTT TCTGCTGCTT GTGCTTGATG TTGAGAAGTA	240
	ATTAAAAATA GTGTACTGAC AATGACCGAT GCAACGCCTA GAGTTGATTT TCTAATAGAA	300
	TAGGAAAGAC CnTnAATTTT GGGTGGATGT TTGTTCA	337
30	(2) INFORMATION FOR SEQ ID NO: 4268:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4268:	
40	ATACATGTTG GAATACTTGT CCCATAGANA ATATTGGCTG GTAACCCAAT CACGGCTTCT	60
	AAGTAGTTCT TTTCTTCTAT TAAATAGCGA CGAATCACAC CTTCTGCGGC ACCACGGAAT	120
45	AATACACCAT GTGGGAGTAC GACTGCCATG GTACCTTCAT CGTCTAGGTA ATGTACCATG	180
	TGTTGAATAA AGGGCAAAGT CTGCTTTGGG ATTTTGGCGC AACTTGGCCG TTAACCACTG	240
	GAATCGTTCA TCATTTTTCA nATTTTGGAA TCTGGCTGGT TCCATTTTCG GCACTGGTAT	300
50	GGTGGGGGTT TCGGCAATAA ACGGCATTCA AATGGTATTT GGCCTAAACA AGGCCGGGAT	360
	TTTTCCAATG GGGGTCATCA TTAANGGGAT CNTCGAAGTT	400
55	(2) INFORMATION FOR SEQ ID NO: 4269:	
55		

5	<ul><li>(A) LENGTH: 345 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4269:	
10	GGCTCATCGC ATCCTGGGGC TGTAGTCGGT CCCAAGGGTT GGGCTGTTCG CCCATTAAAG	60
	CGGTACGGAG CTGGGTTCAG AACGTCGTGA GACAGTTCGG TCCCTATCCG TCGTGGGCGT	120
	AGGAAATTTG AGAGGAGCTG TCCTTAGTAC GAGAGGACCG GGATGGACAT ACCTCTGGTG	180
15	TACCAGTTGT CGTGCCAACG GCATAGCTGG GTAGCTATGT GTGGACGNGA TAAGTGCTGA	240
	nagcatctaa gcatgangcc ccctcaagat gagattccca acttcggtta taagatccct	300
	CAAAGATGAT GAGGATATAG GTCGAGGTTG GAGCATGGTA CATGT	345
20	(2) INFORMATION FOR SEQ ID NO: 4270:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 370 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4270:	
	AAGAATTAAT TATACATTTT ATTAACATTT AAGTCAATAA CTTTTTTTAT CTTGTCCATT	60
	TTATTTTTTA ACCAAAATTT GATTAAAAAA CTGCCTGGCA ACGTTCTACT CTAGCGGAAn	120
35	TAAGTCGaCT ACCATCGACG CTAAGGAGCT TAACTTCTGT GTTCGGCATG GGAACAGGTG	180
	TGACCTCCLT GCTATAGTCA CCAGACATAT GAATGTAATT TATACATTCA AAACTAGATA	240
40	GTAAGTAAAA GTGGATTTTG CTTCGCAAAC ATTTATTTTG ATTAAGTCTT CGATCGATTA	300
	GTATTCGTCA GCTCCaCATG GTCACCAGCT TCCACCTCGA ACCTATTGGn CGCATCATCT	360
	CGCAGGGAnC	370
45	(2) INFORMATION FOR SEQ ID NO: 4271:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(3) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4271:	

	ATTAACAAAA GGCATTGATT TAGAAGGGCG GACATTTTTA CACAATTATG ATTGGCGTAA	120
	AGATAAAGAT GGCACATTAT TAAATACCAT CATTTCTGGT CCGGCACTTG TGGCACAATG	180
5	GATTAATTTA CAATATTATG CGTCGACAGT TGCGCCGCAT TTTTACGGLA ATGGGAATAA	240
	AGCGACACAA ACCGTCACGT CAGTGTTGGT GTCATGCAAG GTAATGCGAG TGCATCTGAT	300
	GTAGGGCTTA TCATGGCCAA TCTGTTA	327
10	(2) INFORMATION FOR SEQ ID NO: 4272:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4272:	
	CATTCTTTAA ACTCTGTAAG TACTTCTTCA ATCTCAGGGG CATCTACTAA CATATCATCA	60
	GTAATATGCG TCAAATTGAT AATCGTTTCC GATAATCGTT CATGCGGATT ACTAAACCTT	120
25	TCAAACTTAT CGATGATTTC ACCGTTATGA ACTTTCACAG CTGCAAnTCG ATGATTTTAT	180
	CATACTGATT TGATAAACCA GTTGTCTCAA CGTCGAACAC AACATAAGTA GCATCTTTTA	240
30	ATACGACATC TTGTGGGTTG TATGCAATCG GGAACACCAT CATCAACTAA CATACCTTCC	300
	ATACCGGnAT ATCATTTTAA nGCCA	325
	(2) INFORMATION FOR SEQ ID NO: 4273:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 357 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4273:	
45	TCCGGCCTTG ACCTGAAGAA CACTTGTCTT GTCGTTAAGA TGACTCTAGA CTCTTATGTT	60
43	TATTATCAAC CGTTAATAAA CTTACCATCA AGAGTGCACC TACCCATACT GACAGTGCAG	120
	TATAGAATGG TGTCATACCT GAACCATAAT CCTTAACTGG GAAAACATCA ACAGTCTTCT	180
50	TATTAATAGG ATTTGCAATA ATACCCGCTT GCTTTTTCAA ATCATTCTTA AGTGTGTCGA	240
	Thaatttgtc gactgcatca tctntgtcta atttcttgaa aattttgatt cgcttttttc	300
	CAAATCCTTn TCCAACATCA GGCAATTTTA TTTTGAGAAA AATCAGCCAA ATCCGGA	357

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 400 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4274:	
10	ACGTTAGCAC AAGCCATGAA CCAATTAGGT GGAAAGAGTA ATAGTGGTGA AGGTGGCGAA	60
	GATGCAAAAC GTTATGAAGT ACAAGTTGAT GGAAGCAACA AAGTAAGTGC GATTAAACAA	120
15	GTTGCTTCTG GGCGTTTTGG TGTAACTAGT GATTATTTAC AACATGCCAA AGAAATTCAA	180
	ATTAAAGTTG CGCAAGGTGC AAAGCCTGGT GAAGGTGGTC AATTACCTGG TACTAAGGTA	240
	TATCCGTGGA TTGCGAnGAC AAGAGGGTCA ACGCCAGGTA TCGGTCTGAT TTCACCACCG	300
20	CCACATCATG ATATTTNATT CCATANGAGG ATTTAGCCGC CACCTGATAC CTGGATTTTG	360
	GAAAAATGGC GAATTAAGGT TGCnGATTTT CCCCGGGTAA	400
	(2) INFORMATION FOR SEQ ID NO: 4275:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 341 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4275:	
35	AACGTCGTTA ATTGAATAAC GCTTATGTTA TAAGAGCACT CATACCAAAC CATAATCATC	60
	TATAGATATA ACAATTCACG ATATAAGGGC TGTGTTTGGC ATAGCCTTTA GATATACACT	120
	TAATTCCTAT TAAAATAGTA GGGATTAAAA GGGGGCTTGT CATGGATTAA AATTCAACAA	180
40	TTACAACATC ACTTTGGATC ACATAAAGTA ATTCATAACT TTAATTTGGA CATTAGCAAG	240
	GGAGAAATAG TCACTTTCAT AGGGGAAAAG TGGTTGCGGA AAGTCTACTT TACTCAATAT	300
	TATCGGTGGA TTTnTTCCAT CCATCGnCTG GTCGTGTCCA n	341
45	(2) INFORMATION FOR SEQ ID NO: 4276:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 368 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

2898

	TAGTGATATA CGACATCACA GCATAATATT GCTTTAGAAA GTCGTGCCGA ACTGGAACTT	60
	ACAAGTCTAG TTCGAACACA CACTGATGTG AGTGGTTTTC TTTATTTTAA ACATGAACAA	120
5	TCAGATAAGT TACTAGCATT AGCAAATATT ATTAAATCAA AGGGCTTCGA TTCATAAAAT	180
	TTAAAACAAT GATTAAAATT AGACGTGTAA ATTGTTAAAT TCTAAAACGG AAATAACCAC	240
10	CATTCCATTA AACCACTTTT TTGTTCATCA CTATATTTCA CACNGCTTCA TTAATAAACG	300
10	GAATGCTTCA nCCGCTTCAA CTTCAACTGG CTTCAACTTC NGCCTACTTC ATCATACCAA	360
	ACGGTCCG	368
15	(2) INFORMATION FOR SEQ ID NO: 4277:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4277:	
25	ATGGAAGTAC GTGACGTTCA CTACTCTCAC TATGGCCGTA TGTGTCCAAT TGAAACACCT	60
	GAGGGACCAA ACATTGGATT GATTAACTCA TTATCAAGTT ATGCACGTGT AAATGAATTC	120
30	GGCTTTATTG AAACACCATA TCGTAAAGTT GATTTAGATA CACATGCTAT CACTGATCAA	180
30	ATTGACTATT TAACAGCTGA CGAAGAAGAT AGCTATGTTG TAGCACAAGC AAACTCTAAA	240
	TTAGATGANA ATGGTCGTTT CATGGGATGA TGAAGTTGTA TGTCGTTTCC GTGGTAACAA	300
35	TACAGTNATG GCTAAAGN	318
	(2) INFORMATION FOR SEQ ID NO: 4278:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4278:	
	CACTTGTACT TTCTGATGTT GAGCCAGACT CTGATGTACT TACCGATGTA GATAAACTTG	60
50	CAATGGTCGA CATGCGGTTT GAAGTTGATG TACTTAGCGA ATCACTTAAT GATGCTGATG	120
	TGCTTTGTGA ATCGGATTCG CTCGTGCTTG TACTTGTTGA GTTTGAGGCA CTTTGGCTTG	180
	CTGAGTTTGA GTCTACTCCG CTTTGATTCA TTGAGGCACT TAGTGACAAT GATGTACTCG	240

	TACTTATGCT CATTGGATGT TGAATCGGAT TTACTTTCAC TTGAATGATG TTGAGTCGGA	360
	TTCACTTTCA CTTGTAGAAC CACTTAATGA TGTGGGATGT	400
5	(2) INFORMATION FOR SEQ ID NO: 4279:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 324 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4279:	
	TTTGTACTTC GATTTAAAAG ATATTAGACA TAAAATCTAA AAnCAGCAGT AAGATGATTT	60
	ATGATTAAAA ACTATCTTAC TGCTGTTCAC TTTTTATAAT ACTTCTGAAT GTCTTCACTT	120
20	ATACTTCTAG TCACAGATTT AAATAATCAA AAGTGCACAT TATTAAAATA TCAATTTCAC	180
	ACTCAATGCG GCTCATCGCA TTCATTTCTT GTCTAGCAAC GTTCTACTCT AGCGGAAGTA	240
	AGTTAGCTAC CATCCTCGCT AAGAACCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC	300
25	CTCTCCTTCG GCTCTCGCTT ACTC	324
	(2) INFORMATION FOR SEQ ID NO: 4280:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4280:	
	CTCACTAGTC GAGTGACACT GCGCCGAAAA TGTACCGGGG CTAAACATAT TACCGAAGCT	60
40	GTGGATTGTC CTTTGGCATG TGnTTAGGAG AGCGTTCTAA GGGCGTTGAA GCATGATCGT	120
	AAGGACATGT GGAGCGCTTA GAAGTGAGAA TGCCGGTGTG AGTAGCGAAA GACGGGTGAG	180
	AATCCCGTCC ACCGATTGAC TAAGGTTTCC TGnGGAAGGC TCGTCCGCTC TGGGTTAGTC	240
45	GNGTCCTAAG CTGAGGCCGA CAGTAGGGCG ATGGGATAAC AGGTTGATAT TCCTGTACCA	300
	CCTATAATCG TTTAATCGAT GGGGGG	326
50	(2) INFORMATION FOR SEQ ID NO: 4281:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 370 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
55		

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4281:	
5	TCGAACATGA GCGATTATTT CTTATGAATT CAAGCTTATT TAAAACTCTT TATTCACTCG	60
	GTTTTGCTTG GTAAAATCTA TATTTTACTT ACTTATCTAG TTTTCAATGT ACAAATAATG	120
	GTGGGCCTAA GTGGACTCGA ACCACCGACC TCACGCTTAT CAGGCGTGCG CTCTAACCAG	180
10	CTGAGCTATA GGCCCATTTT TTTGAATGTT AAATAAACAT TCAAAACTGG AATACAATAT	240
	GTCACGTTAT TCCGCATCTT CTGAAGAAGA TGTTCCGAAT ATATCCTTAG AAAGGNAGGT	300
15	GATCCAGCCG CACCTTCCGA TACGGGCTGA CCTTGTTGAC GACTTGCACC CCAAGCATTT	360
	GTGCCCAnCn	370
	(2) INFORMATION FOR SEQ ID NO: 4282:	
20 25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 4282:	
	GAGAGATGAC ACGGNACTGA ATTGGTTTGA CACCACGTGA TGAATGTGAT CGTCGGCCTT	60
30	CTTCACGATT GNAATACTTT TACATCAAGA ACGATACCGC CAGCGCCGTG AGGTACACGT	120
	AATGAAGTAT CTCTAACTTC ACGTGCTTTT TCACCAAAGA TTGCATGTAA CAATCTTTCT	180
35	TCGGCAGTTA ACTCAGTTAC ACCTTTAGGC GTTACTTTAC CAACTAAAAT ATCTCCATCT	240
35	TTTACTTCTG CACCAATATA AACGATACCA CGATCGTCTA AGTTCTTAAG TGCACTTTCA	300
	GAAACATTAG GNATATCTCT TGTGATTTCC TCAGGGCCTA ACTTAGTATC ACGTGCCTCT	360
40	GAATCCATAC TCCTTCAATA TGAATAGAAG TATACACGGn	400
	(2) INFORMATION FOR SEQ ID NO: 4283:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 324 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4283:	
	AATTCTACAG GCAATGCGAG TTGGGGTGTG GGCCCCAACA AAGAGAAATT GGATTCCCAA	60

	TCTGTCCCAC TCCCGATTAT CTCGTCGCAA TATTTTTTTC AAAGCGATTT AAATCATTAT	180
	CATGTCCAAT CATGATTAAA ATATCACCTA TTTCTAAATT AATATTTGGA TTTGGTGAAA	240
5	TGATGGACTC TTTGCCTCGT TTAATTGCCA TAATGTTAAT nCCATATTGT GCTCTTATAT	300
	CTnAATCCAT GATAGACTGn CCCG	324
	(2) INFORMATION FOR SEQ ID NO: 4284:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4284:	
20	AAATCGTAAC GAGTGAACTT TCTTATTTAG GTGGCGAAGT AACTTACTAG CACCTGACGA	60
	AACGGTTTTA GATCGTATTC AATTGAAAAG GCCGGTATTG AATGAATCAC ACTTAGCAGC	120
	GATTGATCAG GAACATTTTA AATTAACTTA TTTATCAACG GTATATGAAG GGGATTTGGC	180
25	AAGATGCGTT ATAAGCATTA GGCCGTAGAA GCAGTGAAAT GCTGTnAAAC AAGGGCGCTC	240
	AAATTCTAGT GTTAGATGAT AGTGGATTAG TTGGATAGCA ATGGCTTTGC AATGCCGATG	300
30	TTTACTCGCA ATGAAGTGCA TGTGCCATGC AATTGACTTC TTTAAAGCCA GATTTACGTG	360
	ATGTCTAACA AGTTTTnTnC GCTAAAATCn GGGTGGAGAC	400
	(2) INFORMATION FOR SEQ ID NO: 4285:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 560 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4285:	
	CATTTTTCTT TGTGTTTACT TTTTATTTTG ACGTTTTAGA CATAAAAAA GAGACTCACG	60
45	GTCTCAACTT GCCTGGCAAC GTTCTACTCT AGCGGAACGT AAGTTGGCTA CCATCGTCGC	120
	TAAAGACCTT TCTTGACTTG TGACAATCGC TTGCATCTTT CCTCAnCATC GGnTnTAGCT	180
50	TACTCATTTA GCTCTACTAA ACTCGTTGCG CTCTTTTCTC GTTTCGTCAG ATTCAAACGT	240
	TTTCACTTCG CCAAGCCATT TTTCTTTGTG TTTACTTTTT ATTTTGACGT TTTAGGCATA	300
	AAAAAAAGAG ACCTTGnCGG TCTCAATGCG GGCTCATCGC ATCCATTTT TGCCTGGCAA	360

	TGACAATCGC TTGCTTCTTT CCTCTCCTTC GGCTCTCGCT TACTCATTTA GCTCTACTAA	480
	ACTCGTTGCG CTCTTTTCTC GTTTCGTCAG ATTCAAACGT TTTCACTTCG CCAAGCCATT	540
5	TITCTTTGTG TTTACTTTTT	560
	(2) INFORMATION FOR SEQ ID NO: 4286:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4286:	
	GTAACACTCG GMATAACCTA CCTATAAGAC TGGGATAACT TCGGGAAACC GTAGCTAATA	60
20	CCGGATAATA TTTTGAACCG CATGGTTAAA AGTGGAAAGA CGGTCTTGCT GTCACTTATA	120
	GATGGATCCG CGCTGCATTA GCTAGTTGGT AAGGTAACGG CTTACCAAGG CAACGATGCA	180
	TAGCCGACCT GAGANGGTGA TCGGCCACAC TGGAACTGAG ACACGGTCCA GACTCCTACG	240
25	GGAGGCAGCA GTAGGGAATC TTCCGCAATG GGCGAAACTG GACGGAGCAA CGCCGCGTGA	300
	TGnATGGAAG GTCTTCGGAT CGTAAAACTC TGTTATT	337
30	(2) INFORMATION FOR SEQ ID NO: 4287:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 351 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4287:	
40	CAATCGTGCT CANTGCGCAT CGTNACTCAT CTGTATGTGT TCCAGCATAT ACAATTTTGC	60
	CATCTTTAAT GACAACTGTA CCATTTTCA CAACATTTAA TTCATCTAAT TCCTTACCCT	120
	TCAAAGGTTT ATCTGTTGAT CTCGGTAAAA TTAATTCTGG CTATATGATT AATTATTAAA	180
45	TCATCATTAC TTATCACCTG CTTTATCAAT CATGGAATAT GAATACCTTT TTCTTTAGCT	240
	GTTTGAATAG CGATGTCATA GCCAGCATCA ACATGTCGGG CAACACCCAT ACCTGGGTCA	300
50	GTCGTCAATA CACGTTCCAA TCTTCTTTCA GCACGCTCTG AATCCATCTG G	351
	(2) INFORMATION FOR SEQ ID NO: 4288:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 316 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4288:	
	CTATTCACTG CGGCTCTTCT GGGCGTTAAC CCTAAAGAGC ACCCCTTCTC CCGAAGTTAC	60
10	GGGGTCATTT TGCCGAGTTC CTTAACGAGA GTTCGCTCGC TCACCTTAGA ATTCTCATCT	120
	TGACTACCTG TGTCGGTTTG CGGTACGGGC ACCTATTTTC TATCTAGAGG CTTTTCTCGG	180
	CAGTGTGAAA TCAACGACTC GAAGACACAA TGTCTTCTCC CCATCACAGC TCAGCCTTAA	240
15	CGAGTACCGG ATTTGCCTAA TACTCAGCCT TACTGCTTAG GACGTGCAAT CCAATCGCAC	300
	GGTTTnGCCT ATCCTA	316
20	(2) INFORMATION FOR SEQ ID NO: 4289:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 322 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4289:	
30	TTnTTTATGT CTAAAACGTC AAAATAAAAG CAAACACAAA GAAAGATGGC TTGGCGAAGT	60
	GAAAACGnTT GAATCTGACG AAACGAGAAA TGTAAAGTAT AATAAAAAGC AGTCATAAGA	120
	TGATTTCAAT TAGAAATCAA TTTATGACTG TTTTTCTTAC TATGTGTTAA ATTAACAATG	180
35	AATATAACAT CTTATTTTCA TTAATATAAA TATTGGAAGG ATCGANATGA TTTACACGTT	240
	GTTTGAGTTG TATTAAATCA TCATGATCTT TAAGTTGAAT ACCAATAATG ACAGTACCTG	300
	TATTTTGAGA GATTTTTAA GT	322
40	(2) INFORMATION FOR SEQ ID NO: 4290:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 338 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4290:	
	TCATTTAGCT CTACTAAACT CGTTGCGCTC TTTTCTCGTT TCGTCAGATT CAAACGTTTT	60
	CACTTCGCCA AGCCATTTT CTTTGTGTTT ACTTTTATT TTGACGTTTT AGGCATAAAA	120
55		

	CTCTAGCGGA AnTAATTGGC TACCATCGTC GCTAAAGACC TTTCTTGACT TGTGACAATC	240
	GCTTGCTTCT TTCCTCTCT TCGGCTCTCG CTTACTCATT TAGCTCnACT AAACTCGTTG	300
5	CGCTCTTnTC TCGTTTCGTC AGATTTCAAA CGTTTTCA	338
	(2) INFORMATION FOR SEQ ID NO: 4291:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4291:	
	AATTGGTTTA CACCAGGTGA TAATGTATCG TCGCCTTCTT CACGATTGAA TACTTTTACA	60
20	TCAAGAACGA TACCGCCAGC GCCGTGAGGT ACACGTAATG AAGTATCTCT AACTTCACGT	120
	GCTTTTTCAC CAAAGATTGC ATGTAACAAT CTTTCTTCGG CAGTTAACTC AGTTACACCT	180
	TTAAGGCGTT ACTTTACCAA CTAAAATATC TCCATCTTTT ACTTCTGCAC CAATATAAAC	240
25	GATACCACGA TCGTCTAAAG TTCTTGAAGT GCACTTTnCA GAAACATTGA GGGAATGATC	300
	TCTTGTGATT TCTTCCAGGT CCTAACTTGA GTGATCACGT GGCTTCTGGA TTGCAGACGC	360
30	TTGCAAGATG GAATGAGAAG TGANACACGT GCATCCTTGC	400
	(2) INFORMATION FOR SEQ ID NO: 4292:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4292:	
	AAACGTTTTC ACTTCGCCAA GCCATTTTTC TTTGTGTTTA CTTTTTATTT TGACGTTTTA	60
	GGCATAAAAA AAAGAGACCT TGCGGTCTCA AATGCGGCTC ATCGCATCCA TTTTTTGCCT	120
45	GGCAACGTTC TACTCTAGCG GAACGTAATT GGGCTACCAT CGTCGCTAAA GACCTTTCTT	180
	GACTTGTGAC AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCTTACT CATTTAGCTC	240
50	TACTAAACTC GTTGCGCTCT TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA	300
	GCCATTTTC TTTGTGTnnA CTTTnT	326
	(2) INFORMATION FOR SEO ID NO: 4293:	

5	<ul><li>(A) LENGTH: 356 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4293:	
10	GGGGACAATT CCCTGGGGGT TCAAGTCCTC TCGGGCCGGC ATCAAAATTC TTAATTTAAA	60
	TAAGCGGGTG TAGTTTAATG GCAAAACCTC AGCCTTCCAA GCTGATGTTG TGGGTTCGAT	120
	TCCCATCACC CGCTCCATAG ATAATTTTAA TGAACATTGA AAACTGAATG ACAATATGTC	180
15	AACGTTAATT CCAAAAACGT AACTATAAGT TACAAACATT ATTTAGTATT TATGAGCnAA	240
	TCAAACATCA TAATTTTTAT GGAGAGTTTG ATCCTGGCTC AGGATGAACG CTGGCGGCGT	300
	GCCTAATACA TGCCAGTCGA GCGAACGGAC GAGAAGCCTG CCTCnCnGAT GTTAGC	356
20	(2) INFORMATION FOR SEQ ID NO: 4294:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4294:	
	TTATCACCCA TGTTCTGACT CCCAAGTTAA ATTAATTGGC ATTCGGAGTT TGTCTGAATT	60
	CGGTAACCCG AGAGGNCCCC TCGTCCAAAC AGTGCTCTAC CTCCAATAAT CATCACTTGA	120
35	GGCAGCCCTA AAGCTATTTC GGAGAGAACC AGCTATTTCC AGGTTCGATT GGAATTTCTC	180
	CGCTACCCTC AGTTCATCCG CTCACTTTTC AACGTAATCG GTTCGGTCCT CCATTCAGTG	240
	TTACCTGAAC TTCAACCTGA CCAAGGTAGA TCACCTGGTT TCGGGTCTAC GACAAATACT	300
40	AAACGCCCTA TTCA	314
	(2) INFORMATION FOR SEQ ID NO: 4295:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 345 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4295:	
	AAGTGAAAGA ACTCGGCGTG ACACCTATTG CACGATTCGT TGGTTTTAAG GCAGTAGGCG	60
55		

	GCAATCTATC TGTTGAAGAC ATTGATTTGA TCGAATTGAA CGAAGCATTT GCTTCTCAAA	180
	CGATTGCATC TATTAAAGAA GTAGGTCTAG ATATATCACG TACGAATGTG AATGGTGGCG	240
5	CTATTGCTTT AGGTCATCCA TTAGGTGCTA CAGGCGCCAA TGTTAACCCG CGCGTTTACC	300
	TAATGAAATG GGGTAAACCG nCCCGATAGn CCGTAnCGCA AGGGT	345
10	(2) INFORMATION FOR SEQ ID NO: 4296:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4296:	
20	TAAATTGATT TCTAATTGAA ATCATCTTAT GACTGCTTTT TATTATACTT TACATTTCTC	60
	GTTTCGTCAG ATTCAAACGT TTTCACTTCG CCAAGCCATC TTTCTTTGTG TTTGCTTTTA	120
	TTTTGACGTT TTAGACATAA AAAAAGAGAC CTTGCGGTCT CAATGCGGCT CATCGCATCC	180
25	ACTITITGCC TGGCAACGTT CTACTCTAGC GGAANTAATT CGNACTACCA TCGACGCTAA	240
	GGAGCTTAAC TTCTGTGTTC GGCATGGGAA CAGGTGTGAC CTCCTTGGCT ATAGTCACCA	300
30	GACATATGAA TGTnAATTGA TACATTGCAA AACTAGGATA GTGAAGTAAA AGTGATTTTG	360
50	c	361
	(2) INFORMATION FOR SEQ ID NO: 4297:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4297:	
	AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACT GTTTTCACTT CGCCAAGCCA	60
45	TITTTCTTTG TGTTTACTTT TTATTTTGAC GTTTTAGACA TAAAAAAAAGA GACCTCACGG	120
	TCTCAACTTG CCTGGCAACG TTCTACTCTA GCGGAACGTA AGTTGGCTAC CATCGTCGCT	180
50	AAAGACCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT	240
50	ACTCATTTAG CTCTACTAAA CTCGTTGCGC TCTTTTCTCG TTTCGTCAGA TTCAAACGTT	300
	TTCACTTCGC CAAGCCATTT InCTTTGTGT nTACTnT	337

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4298:	
10	GTATTCCTCC ATTATTATAG GTAAATCGCT ATTAATTATA AAATTAAATG GCGGTCTCGA	60
	CGGGAATCCT GCGTGACAGn CAGGCGTGTT ACCGCTACAC TACGAGACCA TTAGTAAAAC	120
15	GGAGGAAGAG GGATTCGAAC CCCCGCGAGC CGTTAAGCCC CTGTCGGTTT TCAAGACCGA	180
75	TCCCTTCAGC CGGACTTGGG TATTCCTmCA AAATTATATG GACCTmGCAG GACTCGAACC	240
	TGCGACCGAA CGTTATGAGC CTTAGCTCTA ACCAACTGAG CTAAAGGTCC TAAATATAAT	300
20	TTTTACAACT AATAAAATAG TGG	323
	(2) INFORMATION FOR SEQ ID NO: 4299:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4299:	
	CTACATGCGT TGAATTAGGG ATCGGTACTT TATATGAAGA CGTGCTGCTT CCATTAAATG	60
35	AGTGATGCGA TTTTGGCATG AAGGTCACCT TAAATGTACA TTGTTGTAAT AAAATTGCCT	120
33	ATAAATTTTT AGCACATAAA ATAAGAGGNG CCAACCATTG TTAGACTATA ACAACGGTTG	180
	GCTCTTTAAT TGTAAAAAGA AAACCATACG CTATGnTGTT ACAAnGAAAA AGGTTCTACC	240
40	ATTGTCACAA AAAATGCATC TCTACGTGCT AGAATAAATA TTGGTCAGCC AACCAAAATA	300
	ATCAACACGA GGAGATGCTA TTT	323
	(2) INFORMATION FOR SEQ ID NO: 4300:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 385 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4300:	

	TGAATCCAGA TAAAATTGGA ATGATTAACG CGAATCACTT TTACTACCAA TGTTCCAAAG	120
	CTGCTCTGCA AACGCATTGT ACTCTGAGCT TTTTGGATTA AATGAATTTG CTCCAAATAA	180
5	AAATACAATT GCCATTAAAA TACCACCAGA TATTACAAGT GGCAACATGT TAGAAACACC	240
	GTTnCATTGA AGTGTTTGAT AGAATGCTTT ACCTGGGGCT TGAATTTTTC TTGGACTGTG	300
	CATTIGAGIT ACCITITCIT TGGACCATCA CGGGGCAACA AAAGGITIGA CGACTIGIGA	360
10	GCTGAATGGC TTnGnTGAAT GAATT	385
	(2) INFORMATION FOR SEQ ID NO: 4301:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 348 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4301:	
	TCCTGTACCA CCTATAATCG TTTTAATCGA TGGGGGGACG CATAGGAATA GGCGACGTGA	60
?5	CGATTGGATT GCACGTCTAA GCAGTAAGGC TGAGTATTAG GCAAATCCGG TACTCGTTAA	120
	GGCTGAGCTG TGATGGGGAG AAGACATTGT GTCTTCGAGT CGTTGATTTC ACACTGCCGA	180
20	GAAAAGCCTC TAGATAGAAA ATAGGTGCCC GTACCGCAAA CCGACACAGG TAGTCAAGAT	240
30	GAGAATTCTA AAGTGAACGA ACGAACTCTC GTTAAGGGAC TCGGCAAAAT GAnCCCGTAA	300
	CTTCGGGGAA AAGGGTnCTC TTTAnGGTTA ACGCCCCAAA AAACCGCT	348
35	(2) INFORMATION FOR SEQ ID NO: 4302:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 385 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4302:	
45	AATGGAACGT GCTTCTGTAT TGGCCCAAGT AGATATTCAT CGTGCAGCAA CACATAATAA	60
	AGGTGTTATG AATGGCATAC ATGCTGTTGT TTTAGCAACA GGGAAATGAT ACGCGTGGTG	120
	CAGAAGCAAG TGCGCATGCA TNACGCGAGT CGTGACGGGA CAGTATCGTG GTATTGCTAC	180
50	ATGGCGTTAC GATCAAGATC GTTCAACGAT TGATTGGTAC AATTGCAAGT GCCTATGGAC	240
	ATTGGGCAAT CGTTGGCGGT GGTACAAAAG TATTACCAAT TGCTAAAGCT TCCATTAGGn	300

	TTTTGAGCGG CAAAAACTTT GnCAG	385
	(2) INFORMATION FOR SEQ ID NO: 4303:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 374 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(b) Torobodi. Timear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4303:	
15	AGTGCGACGA TTGGTATTTT ACAAGAATTT TATCAACAAG ATTTAATTAG CTTAAACGCA	60
	GCAATCCCTG TGTTACTAGG CGATAACATT GGTACCACGA TTACAGCTAT CTTAGCTAGT	120
	TTAGCCGGCT CAATCGCTGC AAAACGTGCG GCGCTTGTAC ACGTCATCTT TAACTTAATC	180
20	GGGGTAATTA TCTTCACAAT TTTCTTGCCA GTTGTGATTC ATTTGATTAG TTTGTTACAA	240
	GATTTATGGG CACTTAAAAC CAGCGATGAC GATTGCAGTA TCACATGGNA TCCTTCAACA	300
	TAACCAATAC CTTGGATTCC ATTTACCAAT TTGTAGCCnG GTTTAGCATn GGATTGGTTA	360
25	CCAAGCCTTG TCCC	374
	(2) INFORMATION FOR SEQ ID NO: 4304:	
30	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 314 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4304:	
	AAAACAGGAT ACTTCGATAA GTTAATGATT TCTGTTGTGA ATCGCGCACC ACGTTTCTTA	60
40	ATTTTACCGA CTATTATATT AATTGGTATT TTAGGTAGTA CAGCCGGCGA TGCTGCGACA	120
	ATTTCTTGCC GCCGCTTGCA GCAATGCTTT TTATTAAAAT TGGCTATCAC CCTATCGCTG	180
45	GACTAACGAT GGCATATGCT TCCGCTGTTG GAGGATTTGC AGCAAATATA GTTGTTGGTA	240
	TGCAAGATGC TTTGGTCTAT TCATTTACAG AACCGGCAAC ACGTATCGTT TCAGATTCTA	300
	TTAAAACAAA CGTT	314
50	(2) INFORMATION FOR SEQ ID NO: 4305:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 344 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4305:	
5	CGTTGCAGAA TGTGTTGAAA TCATCAGAAA TATGCTTAGG CAAGCTAATA TCATTGTCAG	60
	CCATTAATTT ACGGTTACCA ACCAATATAT GGTGATGATC AATCGTTGCT TCAATACCAT	120
	GGCCAGGTAC TGCTTTAAAT GTTGTTGTCT CAGTTAATAT TAATTGCTTT TCTTTTGCAT	180
10	AATTGACAAT GGCTTCTGCC AATGGGTGTT CAGAATCTTT TTCAGCAGTA GCAAGTAGTT	240
	GTAGCGTTTG ATTGTCACCA TGATAATCTG TCACGACTGG GACGACCATT TGTAATGGnA	300
15	nCCGTCCTTA TCTAAAACGA TGGGTATCAA TTTGATGnGG GCGG	344
,,	(2) INFORMATION FOR SEQ ID NO: 4306:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 378 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4306:	
	AGTITCCCTG AAAATTAATC AAGGACTTAA CATTGCGAGT CAAGGTATTG ATCAAGCTAA	60
30	TGGACAGTTA AATGATGCCA AAGCTTCGTC ACACAAGTTA GAAGTAGAGT CGGTGATTAT	120
30	CAAGATGCAA TTCGACGCGC GCAAGATTTA AATCGAAGAA ACCAGCAACA GATTCCTCAA	180
	AATAGCGCGG CGAACAACGA AACATCAAAT AGTGCACCTG CAGCTGGTAA TGGTGTAGCA	240
35	TCAACGCCAC CAAGTGCACC AAGTGGCGAT ACTGCACCAA ATAATAATGT TACGCAAAAT	300
	ACCGCACCAG ATGAGTGAAT AATGCGCCTG TATCGACTAC ACCACAAATG ACAnnCCGGG	360
	GAANAGATGG TCAAATTT	378
40	(2) INFORMATION FOR SEQ ID NO: 4307:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4307:	
	GGACTTGGGT ATTCCTCCAA AATTATATGG ACCTTGCAGG ACTCGAACCT GCGACCGAAC	60
	GGTTATGAGC CGTTAGCTCT AACCAACTGA GCTAAAGGTC CTANATATAA TTTTACAACT	120
55		

	CTAGCCAGCT GAGCTACACC GCCTTATATA GTTTGTAAAT AATATGGTGG AGACTAGCGG	240
	GATCGAACCG CTGGACCTCC TGCGTGGCAA AGCAGnCGCT CTCCCAGCTG nGCTAAGCCC	300
5	CCATAATAAT TACAGTAT	318
	(2) INFORMATION FOR SEQ ID NO: 4308:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4308:	
	TGTACGTTTA ATACCTATGA TATATGCTGC AAGTCTCATA TCTATTTTTC GGTTTTGAGA	60
20	CAATTCGTAA ATCGTATCAA ATGCCGCTTC TAATTTTTCA CGTAGCTTTT CATTAACTTC	120
	TTCTTCAGAC CAATAATAAC CTTGATTATT TTGTACCCAT TCGAAGTAAG AAACCGTTAC	180
	ACCACCAGCA CTTGCTAATA CGTCTGGAAC TAATAATATA CCACGTTCAG TTAAAATACG	240
25	TGTTGCTTCT GGTGTTGTAG GTCCATTAGC AGCTTCAACA ACGATACTAG CTTTAATATC	300
	ATGTGCATTG TCCTCnGTAA TTGGGTTGAA TAGCGNGGGA CTAAATGCAC ATCNAATCAA	360
30	CAATCCTATT GGATGTCCCA ANAATTGTAC GACCAACACC	400
	(2) INFORMATION FOR SEQ ID NO: 4309:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4309:	
	CAAATAAACC AGAGCTAGTT GCAATTGCTG AACCACATCC TAATAGACCG AAAAAGAGAA	60
45	GTAGACGTGC GGCACCGGCA GATCCTAATG CAACTCCAGC AGATCCAGCG GCTGCAGCGG	120
45	GTAGGAAACG GTGGTGCACC AGTTGCAATT ACAGCGCCAT ATACGCCAAC AACTGATCCT	180
	AATGCCAATA ATGCAGGACA AAATGCACCT AACGAATmGT TGTTCATTTG ATGACAATGG	240
50	TATTAGACCA AGTACCAACC GTTCTGTGCC ACnTnAAACG TTGTTAATAA CTTGCCGGGC	300
	TTCACACTAA TCAATGGTGG CAAAGT	326
	(2) INFORMATION FOR SEO ID NO: 4310:	

5	<ul><li>(A) LENGTH: 313 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4310:	
10	TCAAAGCGCC AATAACATCT TCTACTGAAG TTTCTTTAGA TTTAGCATTC AGTGATAATG	60
	TTATTGTTGC TTTTTCTTCC ATTGGAATAC TTTGATGAAT CGTTAATACA GATAGTTCTA	120
	ACTTTGATAT AACATCTAGT ACACGTGCCA ACATACCAAC AATATCAGTT ACATATAAAA	180
15	TTAATGTAAA TTCTCGATGG TCAAGCATTT TATCGGCTAC TGGAAATATC GTTTCTCTAT	240
	ATMTATAANA AGCACTTCTA GATAGATCAA ACTGTTTAAC GGCATCATAA ATGGMCAATG	300
	TCGGATCACT TTT	313
20	(2) INFORMATION FOR SEQ ID NO: 4311:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4311:	
	GGTTCGAATC CAGCTAGCCC AGCCATTAGA GCCATTAGCT CAGTTGGTAG AGCATCTGAC	60
	TTTTAATCAG AGGGTCAGAG GTTCGAATCC TCTATGGCTC ACTACTTGCA CTTTCCATTT	120
35	TTGGGAAGTG CTTTTTTTTA GGTTCTCCAC CAAATGTGGT GGGTATATAA TTTAAAGAAC	180
	TATTTTAAA ATACAACTTT TAGAGCTTTT ATTATTAGGC GGCCAGTCCA TTATTGGGGC	240
	TGGTTGTCTT CnTTTTTCT CCTTTGTACA AGCTGAAAAT CATCATTATA CGTGCTTAAA	300
40	GTGGTGAATT CTGAACCAAA GAATCACTTG ATAATTTATC TATATAATCC TCNATAGACC	360
	ATATAATGCT GGAATAATGG ATCTACAnCC TGAGTTCCAn	400
45	(2) INFORMATION FOR SEQ ID NO: 4312:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEGUENCE DESCRIPTION: SEG ID NO: 4312:	

	ACTTACAGCT CCCCAAAGCA TATCGTCGTT AGTAACGTCC TTCATCGGCT TCTAGTGCCA	120
	AGGCATCCAC CGTGCGCCCT TAATAACTTA ATCTATGTTT CCACCATTTT TATAAGTCAA	180
5	ACGCTCACAT ACGGCTTCGT TTTCATTATT TTAAATGCTC ATTTACATAA GTAAACTCTG	240
	CTTTAAAATA ATTAACTCAT TGTCTGCnAA ACGTTTTCnT TTATAAAAAG ATTAAACGCG	300
	TTATTAAnCT GTGGAGTG	318
10	(2) INFORMATION FOR SEQ ID NO: 4313:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4313:	
	ACGGTGATCA CTCACCGCAG ATTTTAAGTC CTGTGCGTCT GCCAGTTCCG CCACCCCGGC	60
	ACTATAAAAA TGGAGCAGAA GACGGGATTC GAACCCGCGA CCCCAACCTT GGCAAGGTTG	120
25	TATTCTACCG CTGAACTACT TCTGCATATG CGGGTGAAnG GAGTCGAACC CCCACGCCGT	180
	AAGGCATAGA TCCTAAGTCT AGTGCGTCTG CCAATTCCGC CACACCCGCA AATGGTGAGC	240
30	CATAGAGGAT TCGAACCTCT GACCCTCTGA TTAAAAGTCA GATGCTCTAC CAACTGAGCn	300
	AATGGnTCTT CCATGG	316
	(2) INFORMATION FOR SEQ ID NO: 4314:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 356 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4314:	
45	AGGAAAAGTC GTTGTGATAC ATCAACCAGC TGAAGAAGTA CCACCAGGTG GTGCTAAAAC	60
	AATGATTGAA AATGGTGTAT TAGACGGTGT TGATCATGTA TTAGGTGTAC ACGTCATGAG	120
	CACAATGAAA ACAGGTAAAA GTGTATTACC AGACCTGGTT ATGTTCAAAC AGGACGCGCA	180
50	ThCTTCAAAT TGAAAGTCAA GGTAAAGTGG TCATGGTTCA TCACCACATA TGGCCAATGA	240
	TGCCATTGTT GCAGGTAGCT ACTTCGTCAC AGCGTTACAA ACAGTGTATC TAGACGACTA	300
	GGCCATTTGA ACCGGTGGTT TCACATCGGT CATTTnCCGT AAAAGnCCAT TCCATG	356

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 380 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4315:	
10	TATCAGCATT TGTAACTGTT ATTGTTTATA ACTTCTGTGT GAAGCGCAAT ATTACAATTA	60
	AAATGCCGAA AGAAGTACCG CCGAATATTT CACAAGTATT TAAGGACTTA ATTCCATTTT	120
15	CAGCGGTAAT CATCATTCTT TATGCATTAG ATTTAGTCAT CGCAACAGCT TTAAATCAAA	180
	TGTAGCGGAA GGNATTTTAA AATTATTCGA ACCATTATTT ACAGCAGCAG ATGGGATGGA	240
	TTGGTGTCAC AATTATCCTT GGnGGCCTTT GCATATTCnG GGTTGTAGGG AATCAGGTCC	300
20	GTCAATGTAG AGCCAGCAAT TGCAGCCATT ACATATGCGA TATCGGAGCG GACTTCAAGT	360
	TGCCTCAGCG GAGGACACGC	380
25	(2) INFORMATION FOR SEQ ID NO: 4316:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4316:	
35	GCTCTAGGAT GACTGATTGA ATGTCCATGA ATGAACAACC CCTTTGTTTA ATATCGAGTT	60
	TGGCAAATTT ACGTTTATCA GCGTTTCTAT GATCAGTACT TCTACGGGTA GCGTTTCTAT	120
40	GTAATTTACA TCATCTTAAC ATATAAATAC TTCGCTATTT AATTGAAAAC ATATCCTATT	180
40	ATTCTTTGTC CGTTCTGACG TTTAATATCT AGCCTTAGGC ATTTCACTTG TTAATGAATT	240
	TAACTTTCTT CCACTAACCG TCCCTAAACC CAATCCCGCA ACAGTTTTTA ACTTTTTCGT	300
45	TGTTGTCCTG ACATCTCATT AAGAAAGTTT ATTCTGCTTA AAACTTATAA TCCACACCCT	360
	GAGCAAACGn ThCTTATGAC AGAGTATTAA AATAAGCCGn	400
	(2) INFORMATION FOR SEQ ID NO: 4317:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4317:	
	CCTTATTGAT AATGGTATGA GAATATTTGT TCGAGATGGA TGAAGGTAAT GAGTGAGAAA	6(
5	CTGGATTTT AAAGTATGAG ACAATATTTT AAAAAGTTCA ATTATTAACT TATAAGCAAA	120
	TAATTGCTAT AAAAAAGTTT GGACGTGTAC AATTGCAATA TGAAGATTTT AAATTAATTG	180
	TAAAGTATCG TGGAGTGGGT AACGTGTCAG AACATGTATA TAATCTTGTG AAAAAGCATC	240
10	ATTCTGTTAG AAAATTTAAG AATAAACCTT TAAGTGAAGA CGTTGTTAGG AAATTGGTAG	300
	GAGCTGGGCA AAGCGCTTCG ACGTCAAGTT TCCTGCCAGC ATACTCCATT ATTGGTTCGG	360
15	CGGTGGGAGG TTAAnGGAAT TTACGGGGAG GTTCTGGGCA	400
	(2) INFORMATION FOR SEQ ID NO: 4318:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 319 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
?5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4318:	
	TAACTACGTC TCCTGTTTCT GGATTCTTAA TTCCTGGTTT ACCTGGAACT TCCTCTTTCT	60
30	CTCCTGTTGG TAACTTCGGA TCAAATTCGT CTCGATGACC TGGTGTTATC GTTTCTGGTC	120
	CGTATTCTGT TAATTCATTA ATCGGATCTN TTGTGATTTC TTCTTTCGAT TCACCTGTAC	180
	TAATAATTTC TCCAGTTAAT GGATTTTTTA GTGTTGGCGT CGTTATTGTC TTCTCACCTn	240
35	TTTGTCCTTC TCTTGTAACT TTTTCTGTCC CGGTGCTAAA TnCGGATTAA ATTACGGTCT	300
	TTCTTGAAGG AATCTCTTC	319
10	(2) INFORMATION FOR SEQ ID NO: 4319:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 368 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
<b>1</b> 5	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4319:	
5 <i>0</i>	AGGTGCATTG AGAGAATTTG TAAATGACGT ATTAGGACCT CAAGACGATA TTACTAAATT	60
	TGAATACTTA AAAAAATCTT CTCAAAATAC AGGTACTGTC AATTATTGGT ATTCAACTTA	120
	AAGATCATGA TGATTTAATA CAACTCAAAC AACGTGTnAA ATCATTTCGA TCCTTCCAAT	180

	ACAGTCATAA ATTGATTTCT AATTGAAATC ATCTTATGAC TGCTTTTTAT TATACTTTAC	300
	ATTTGCTCGT TTCGTCAGAT TGCAAACGTT TTCACTTCGC CAAGCCCATC TTTCnTTGGn	360
5	GTTTGCCT	368
	(2) INFORMATION FOR SEQ ID NO: 4320:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 347 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4320:	
	TAAGTTAGCT ACCATCCTCG CTAAGAACCT TTCTTGACTT GTGACAATCG CTTGCTTCTT	60
20	TCCTCTCCTT CGGCTCTCGC TTACTCATTT AGCTCTACTA AACTCGTTGC GCTCTTTTCT	120
	CGTTTCGTCA GATTCAAACG TTTTCACTTC GCCAAGCCAT TTTTCTTTGT GTTTACTTTT	180
	TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTCACGGT CTCAACTTGC CTGGCAACGT	240
25	TCTACTCTAG CGGAAnTAAA GTTGGnCTAC CATCGTCGCT AAAGACCTTT CTTGACTTGT	300
	GACAATCGCT TGCTTCTTTT CCTCTCCTnC GGCTCTCGGT TAACTCA	347
30	(2) INFORMATION FOR SEQ ID NO: 4321:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4321:	
40	GGGCAAGTTA CAGTGGTGCA TGGTTGTCGT CACTCGTGTC GTGAGATGTT GGGTTAAGTC	60
	CCnCAACGAG CGGCAACCCT TAAGCTTAGT TGCCATCATT AAGTTGGGCA CTCTAAGTTG	120
	ACTGCCGGTG ACAAACCGTA GGAAGGTGGG GATGACGTCA AATCATCATG CCCCTTATGA	180
45	TTTGGCTACA CACGTGCTAC AATGGACAAT ACAAAGGGCA GCGAAACCGC GAGTCaAGCA	240
	AATCCCATAA AGTTGTTCTC AGTTCGGATT GTAGTCTGCA ACTCGaCTaC ATGaAGCTGG	300
50	aATCGCTaGT aATCgTGGTC CAGCATGCTA CGGT	334
	(2) INFORMATION FOR SEQ ID NO: 4322:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 330 base pairs	
55	(A) DENGIN. 330 Dage Pails	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4322:	
	CTGTTAAACG ACTACAGGAA GTATTTACAA TCAAACTAAG CAAAAGTATT CAGATGCCTC	60
10	AGATAAAGCT TGGGCGCATT CAAAATCTAT TTGGAGAGGC ACATCAAAAT GGTTTAGCAA	120
,,,	CGATATAAAA GTGCAAAGGG TTGGCTAATA GATATGGCTA ATAAATCGCG CTCGAAATGG	180
	GATAATATTT CTAGTACAGC ATGGTCGAAT GCAAAATCCG TTTGGAANGG AGCATCGAAA	240
15	TGGTTTAGTA nCTCATTACA ANTCTTTAAA GGGTTGGACT GGGGATATGT ATTCAGAGCC	300
	CACGATCGTT TTGATGCATT TCAGTTCGGC	330
	(2) INFORMATION FOR SEQ ID NO: 4323:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4323:	
30	CAATGATGCC ATGAGCAGTG CCTCCTTTAA TAGCATTTTA GCACTGTTTT GTCGTATTTT	60
	TAAATATAAA TTTGGAATGA ATAATAAAGT AGTGATTAAA TTAAGTTGTG TGATAGGAAA	120
	CTTGGACATC AATCAAAGTA ATAGGCACTA CAACGCTTAT TGGCGGGGCC CCAACAAAGA	180
35	AGCTGACGAA AAGTCACTTG CAATAATGTG CAAGTCnGGG ATGGGCCCCA ACATAGAGAA	240
	ATTGGGTCCG NAATTTCTAC AGACAATGCC AGTTGGCGGG GCCCCCACAT AGAGAATTTC	300
	GAAAAGGAAT TCTACCAGCA ATGCCAGTTG GGGGANG	337
40	(2) INFORMATION FOR SEQ ID NO: 4324:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4324:	
	TTACTTACTA TCTAGTTTTG AATGTATAAA TTACATTCAT ATGTCTGGTG ACTATAGCAA	60
	GGAGGTCACA CCTGTTCCCA TGCCGAACAC AGAAGTTAAG CTCCTTAGCG TCGATGGTAG	120
55		

	GCATTGAGAC CGCAAGnTCT TTTTTTTATG TCTAAAACGT CAAAATAAAA AGCAAACACA	240
	AAGAAAAATG GCTTGGCGAA GTGAAAACGT TTGAATCTGC CGAACGAGAA AGAGCGNACC	300
5	GAGTTTAGTA GANTAAATGA GTAAGCGAGA	330
	(2) INFORMATION FOR SEQ ID NO: 4325:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 315 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4325:	
	TTCATCCGCT CACTTTTCAA CGTAATCGGT TCGGTCCTCC ATTCAGTGTT ACCTGAACTT	60
20	CAACCTGACC AAGGGTAGAT CACCTGGTTT CNGGTCTACG ACAAATACTA AACGCCCTAT	120
	TCAGACTCGC TTTCGCTACG GCTCCACATT TACTGCTTAA CCTTGACATC AAATCGTAAC	180
	TCGCCGGTTC ATTCTACAAA AGGCACGCCA TCACCCATTA ACGGGCTCTG ACTACTTGTA	240
25	AGCACACGGT TTCAGGTTCG ATTTCACTCC CCTTCCGGGG TGGCTTTTCA nCTTTCCCTC	300
	ACGGNACTGG TTCAC	315
30	(2) INFORMATION FOR SEQ ID NO: 4326:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4326:	
40	TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTTGCGGT TANATGCGGC TCATCGCATC	60
	CACTTTTTGC CTGGCAACGT TCTACTCTAG CGGAACGTAA GTnGAACTAC CATCGACGCT	120
	AAGGAGCTTA ACTTCTGTGT TCGGCATGGG AACAGGTGTG ACCTCCTTGC TATAGTCACC	180
45	AGACATATGA ATGTAAATTA TACATTCAAA ACTAGATAGT AAGTAAAAGT GTTTTGCTTC	240
	GCAAAACCAT TTATTTTGAT TAAGTCTTCG ATCGnTTAGT ATTCGTCAAC TCCACATGTC	300
50	ACCATGCTT	309
	(2) INFORMATION FOR SEQ ID NO: 4327:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 311 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4327:	
	AAAGCTTATA AACGCTCATC TGACATTGTA GAATTCATGC TTTCAAAAGA CGATATACTA	60
10	CGACACTCCT ACGAACTTGT CCAAGGATTA CGAAAAGACC TAAGGTTATG TAATTnGCCT	120
	AAATTTATTA ATCGTTTAAA TTCAGTTAGT AAAAAGTCTG TGAGTAAGGG TGTATGGAAA	180
	GTGGTTAAAT ATTATAGAAA ACATCAAAGG ATGTTAAGAA ATACAATTTA TTACCCAGCA	240
15	TTTAATAATG GTGCTATAGA AGGAATTAAT AATAAGATNA AATTAATCAA GTGAATTTCT	300
	TTTGGTTnCA G	311
	(2) INFORMATION FOR SEQ ID NO: 4328:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(b) Toronogr. Timear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4328:	
30	TAGCTTCTGC GAGCTAGCGG AATCGAAGCC CCAGTAAACG GCGGCCGTAA CTATAACGGT	60
	CCTAAGGTAG CGAAATTCCT TGTCGGGTAA GTTCCGACCC GCACGAAAGG CGTAACGATT	120
	TGGGCACTGT CTCAACGAGA GACTCGGTGA AATCATAGTA CCTGTGAAGA TGCAGGTTAC	180
35	CCGCGACAGG ACGGAAAGAC CCCGTGGAGC TTTACTGTAG CCTGATATTG AAATTCGGCA	240
	CAGCTTGTAC AGGATAGTAG GAGCTTTGAA ACGTGAGCGC TACTTACGTG GAGGCGCTGG	300
40	TGGGATACTA CCCTAGCTGT TTTGGTnTCT nACCCGACCA	340
40	(2) INFORMATION FOR SEQ ID NO: 4329:	
45	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 325 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4329:	
	AATCCATAGC GAAATGTATA CCATCACCCA TGCGTCCTTC TAAAGGTAAA TCTCTACCTT	60
	TTTGTGCACC AGTACATAAT ATAATGGCAT CATACTCAGA TTCTAACGTT GCTTTATCAA	120
55		

	TACGACGTCG AACCACATCT TTATCAAGTT TCATATTCGG AATACCATAC ATTAATAAAC	240
	CGCCTGATTC TCTAGCACGT TCATAAATAG TTACTTGnTA TCCTnGTAGA TTAAGTTCTT	300
5	CAGCAGCAGT AATCCTGnTG GACCG	325
	(2) INFORMATION FOR SEQ ID NO: 4330:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4330:	
	CACTTCACCA CAGCCGCCAT GGCAGGNGCA GTAGGAATCG AACCCACACC AAAGGTTTTG	60
20	GAGACCTCTA TTCTACCGTT GAACTATGCC CCTATTAAAA ATAATAAATG GAGGGGGCA	120
	GATTCGAACT GCCGAACCCG AAGAGCGGAT TTACAGTCCG CCGCGTTTAA CCACTTCGCT	180
	ACCCCTCCAT AAATGGTGCG GGCGNGNAGG ACTTGAAACC CCCAACCTAC TGATTACAAG	240
.25	TCAGTTGCTC TGACCAATTG AGCTAAGGCC GGCTAAGAAA TGGTTCCAGG ACAGAGTCGA	300
	AACTGCCGAC ACATGGGAGC TTTCAAT	327
30	(2) INFORMATION FOR SEQ ID NO: 4331:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4331:	
40	GCATCATTTT CAGCTTCCCA CTTCCACATT TGGAAAATTT CTCCAGTAAC AATGAAAGAC	60
	CATATACTTT TTCCTACAAG AGCAGGACCC GGTAACAATA CAGGTTGGTA ATGCCCAATA	120
	ATAATGACCA TTTCCCAAAT GCCTAAGAAA ATAATAAATG TGATAATAGG TAATATAAAT	180
45	TTGTTATTTG TGGGACGTGT CATGAACGCG ATGCCTCCTT ATACAATGAC GGTTCAACAA	240
	AGTCATCATA TGCAGGTGGA TTAAACAAAT GATGTTGTTT TACCAATGTC GTAATTTCTT	300
50	GGATAGCCGG ATGGnTTAAA TTGTTAAAAT CACCATAGGG TGTCCCnGCC GTGGACTGTG	360
50	GTTAAAAACG TCACGGACTT TGTTTAAAAn GGTGCGTCAT	400
	(2) INFORMATION FOR SEQ ID NO: 4332:	

5	<ul><li>(A) LENGTH: 366 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4332:	
10	CTGGTATGCA GATTTACCAC CTGCCTCTCC ACAAnTnnGG GGAGAGCAAA CAGATGTGCC	60
	TGAATCAAGT GACTGGTATA ACGCATCATA CATTATTATG TGGGGCTCTA ATGTACCTTT	120
	AACACGTACT CCGGATGCAC ATTTTATGAC TGAAGTCCGC TATAAAGGTA CAAAAGTCAT	180
15	TTCAGTAGCA CCAGATTACG CAGAAAATGT GAAATTTGCA GATAACTGGC TAGCACCGAA	240
	TCCTGGTTCA GATGCTGCAA TTGCACAAGC AATGACGGCA TGTTATTTTA CAAGGAACAT	300
22	TATGTTAAAT CCAACCTGAA TGAACGGTTT TTATTAAATT ACGGTTAAAA CCATTATTAC	360
20	CAGGAT	366
	(2) INFORMATION FOR SEQ ID NO: 4333:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4333:	
	TATTATTTCA TTGAGCAGAA AGAAAATTAT GGCACCAAAC TTTAATATTT TTTTCAATGT	60
35	CATTCTTTTG Angggagtgg gacagaaatg atattttcgc aaaatttatt tcgtcgtccc	120
	ACCCCAACTT GCATTGTCTG TAGAAATTGG GAATCCAATT TCTCTTTGTT GGGGCCCATC	180
40	CCCAACTTGG CACATTATTG TGAAGCTGAC TTTTCGTCAC TTGCTGTGTT GGGGCCCTCA	240
,,	CCCCAACTCG CATTGCCTGT AGAATTTCTT TTCGAAATTC TCTGTGTTGG GGCCCCTGGA	300
	CTGAGAATTG GAAAAAAGCT TGTTGACAAG CGCNATTTTC GTTCCATGCA ACTGACTGCC	360
45	AAGAGAACnT CGTGAGAGCn ATGAAGAAGA TTGGATTTGA	400
	(2) INFORMATION FOR SEQ ID NO: 4334:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	CGCCCTTAAT AACTTAATCT ATGTTTCCAT CCTACAGGAA ACGCGTTATT AATCTTGTGA	60
	GTGTTCTTTC GAACNTATGC GATTATTTCT TATGAATTCA AGCTTATTTA AAACTCTTTA	120
5	TTCACTCGGT TTTGCTTGGT AAAATCTATA TnTTACTTAC TTATCTAGTT TTCAATGTAC	180
	AATTTCTTTT TAGTCAAGCG CTCGCATAAG CAATATCACT TTAACCAAAA AATATTTGAA	240
10	TGTTAAATAA ACATTCAAAA CTGAATACAA TATGTCACAT TATTCCGCCA TCTTCTGnAA	300
,,,	GAAGATGTT	309
	(2) INFORMATION FOR SEQ ID NO: 4335:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4335:	
	nAGGACTTTT CTCGGTCAGT GTGAAAATCA ACGCACTCGT AnACACAATG TCTTCTCCCC	60
25	ATCACAGCTC AGCCTTAACG AGTACCGGTA TTTGCCTAAT ACTCAGCCTT ACTGCTTAGA	120
	CGTGCAATCC AATCGCACGC TTCGCCTATC CTACTGCGTC CCCCCATCGA TTAAAACGAT	180
30	TATAGGTGGT ACAGGAATAT CAACCTGTTA TCCATCGCCT ACGCCTGTCG GnCTCAGCTT	240
	AGGACCCGAC TAACCCAGAG CGGACGAGCC TTCCTCTGGA AACCTTAGTC AATCGGTGGA	300
	CGGGATICTC ACCCGTCTTT CGCTACTCA	329
35	(2) INFORMATION FOR SEQ ID NO: 4336:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 310 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4336:	
45	CAAAGTGACA GGTGGTGCAT GGTTGTCGTC AGCTCGTGTC GTGAGATGTT GGGTTAAGTC	60
	CCGCAACGAG CGCAACCCTT AAGCTTAGTT GCCATCATTA AGTTGGGCAC TCTAAGTTGA	120
50	CTGCCGGTGA CAAACCGnnn GAAGGTGGGG ATGACGTCAA ATCATCATGC CCCTTATGCA	180
	TTTGGGCTAC ACACGTGCTA CAATGGGACA ATACAAAGGG CAGCGAAACC GTGAGTGCAA	240
	GCAAATCCCA TTAAAGTTGT TCTCAGTTCG GATTGTAGTC TGCAACTCGG ACTACATGAA	300

	(2) INFORMATION FOR SEQ ID NO: 4337:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 324 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4337:	
	CCAGCACCGG GGCAGGCGTC ACCCTCATAC ATCACCTTAC GGTTTAGCAG AGACCTGTGT	60
15	TTTTGATAAA CAGTCGCTTG GGCCTATTCA CTGCGGCTCT TCTGGGCGTT AACCCTAAAG	120
	AGCACCCCTT CTCCCGAAGT TACGGGGTCA TTTTGCCGAG TTCCTTAACG AGAGTTCGCT	180
	CGCTCACCTT AGAATTCTCA TCTTGACTAC CTGTGTCGGT TTGCGGTACG GGCACTATTT	240
20	TCTATCTAGA nGGCTTTCTC GGCAGTGTGA AATCAACGAC TCGAAGACAC AnTGGCTnCT	300
	CCCATCAGAG CTCAGCCTTA ACGA	324
25	(2) INFORMATION FOR SEQ ID NO: 4338:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 399 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4338:	
35	CGGACATCAA ACGGATGCTG CTCGATTGGC AAATGCATAT AACTAGTAAC ATGATCATCG	60
	ACATCAAATT TAGATGATCA AATGTGCCCA ATGATTAATT TGATTCGGTT GTTTGCTCAA	120
	TTGATTATAT GTTTTTCCTA GCACTTCATG CGGCACCATA TCTTTACCTA GTAGCCACAA	180
40	AGATAAGTCT AACAAGTGGC AACCATAATC GATTAAACTA CCGCCACCTT GCAACGCTTT	240
	ATTGGTAAAA ACACCCCAGC CAGGCACTTT ACGCCTACGC ATCGCTTGTA CACGTGCTAC	300
45	TAAAGGTTTA CCAACCACAC CTGATTCAAT TGCTTTTTTA GCAGTAATTG CCACATCTGT	360
	GTGACGATAA TGATATGCGC CAGTAATAnT TTGTGnTTT	399
	(2) INFORMATION FOR SEQ ID NO: 4339:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4339:	
5	TGAGGCGATT ATTTCTTATG AATTCAAGCT TATTTAAAAC TCTTTATTCA CTCGGTTTTG	60
	CTTGGTAAAA TCTATATTTT ACTTACTTAT CTAGTTTTCA ATGTACAAAT AATGGTGGGC	120
	CTAAGTGGAC TCGAACCACC GACCTCACGC nTATCAGGCG TGCGCTCTAA CCAGCTGAGC	180
10	TATAGGCCCA TTTmTTTGAA TGTTAAATAA ACATTCAAAA CTGGAATACA ATATGTGCAC	240
	GTTATTCCGC ATCTTCTGAA GAAGATGTTn CCGAATATAT CCTTAGAAAG GAGGTGATCC	300
	AGCCGCACCT TCCGGATACG GCT	323
15	(2) INFORMATION FOR SEQ ID NO: 4340:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 344 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4340:	
	GGCTAGCCCT AAAGCTATTT CGGAGAGAAC CAGCTATTTC CAGGTTCGAT TGGAATTTCT	60
	CCGCTACCCT CAGTTCATCC GCTCACTITT CAACGTAAGT CGGTTCGGTC CTCCATTCAG	120
30	TGTTACCTGA ACTTCAACCT GACCAAGGGT AGATCACCTG GTTTCGGGTC TACGACCAAA	180
	TACTAAACGC CCTATTCAGA CTCGCTTTCG CTACGGCTCC ACATTTACTG CTTAACCTTG	240
	CATCAAATCG TAACTCGCCG GTTCATTCTT ACAAAAGGCA CGCCATCACC CATTAACGGG	300
35	CTCTGAACTA ACTTGGTAAA GCnCCGGTTT nCnGGTCCAA TTTT	344
	(2) INFORMATION FOR SEQ ID NO: 4341:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4341:	
	TGTACCACCT ATAATCGTTT TAATCGATGG GGGGACGCAT AGNGATAGGC GAACGTGCGA	60
50	TTGGATTGCA CGTCTAAGCA GTAAGGCTGA GTATTAGGCA AATCCGGTAC TCGTTAAGGC	120
	TGAGCTGTGA TGGGGAGAAG ACATTGTGTC TTCGAGTCGT TGATTTCACA CTGCCGAGAA	180
	AAGCCTCTAG ATAGAAAATA GGTGCCCGTA CCGCAAACCG ACACAGGTAG TCAAGATGAG	240

	TTCnGGGAAA AAGGGnTCCC CTTTAAGGGT TAACCGCCCC AAAAAACCCC C	351
	(2) INFORMATION FOR SEQ ID NO: 4342:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 327 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4342:	
15	AATAATGACT CCTACGGGAC TCGAACCCGn GTTACCGCCG TGAAAGGGCG TGTACTTAAC	60
	CGTATGACCA AGGAGCCATG GCTCACCAGG TAGGACTCGA ACCTACGACC GATCGGTTAA	120
	CAGCCGATAG CTCTACCACT GAGCTACTGT GGATTAATAT TATGCCTGGC AACGTTCTAC	180
20	TCTAGCGGAA nTAAATTCGA ACTACCATCG ACGCTAAngA GCTTAACTTC TGTGTTCGGC	240
	ATGGGAACAG GTGTGACCTC CTTGCTATAG TCACCAGACA TATGAATGTA ATTTATACAT	300
	TCAAAACTAG ATAGTAAGTA AAAGTGA	327
25	(2) INFORMATION FOR SEQ ID NO: 4343:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 360 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4343:	
	ACCGCTTGGG CTGACATTTT TGGCTTGTTA AGCAGCTTGC CTACTTTTTT GGCAATAGCA	60
	CCATACGTTG TTAGAGTCCC ATAAGGAACC TGTCTTAATT CATTCCAAAC ACACTGTTGA	120
40	AAATGACTAC CTGTTGGCTT TAAAGGTATT GTGATTTCAG GATTGTCACC TTTAAAATAC	180
	GCGTCTAACC ACTGTGTCGC CTCTCTAAAT ATCGCTAAAG ACGTATTTTC TTCCCTAGTA	240
	CCATCACCTT GTTGATTTTC AAACAAAACA GCGGTCAGAC TTACCCCATC ACTCAAAAGT	300
45	TCCAAnCGTC CTGACAGGCG AANCAGAGTG AACGCTGAGA CTCCAGAAAA ATCCCCCTnT	360
	(2) INFORMATION FOR SEQ ID NO: 4344:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4344:	
	ATTCCGACAT CTTCTGAAGA AGATGTTmCC GAATATATCC TTAGAAAGGA GGTGATCCAG	60
5	CCGCACCTTC CGATACGNCT ACCTTGTTAC GACTTCACCC CAATCATTTG TCCCACCTTC	120
	GACGGCTAGC TCCTAAAAGG TTACTCCACC GGCTTCGGGT GTTACAAACT CTCGTGGTGT	180
10	GACGGGCGGT GTGTACAAGA CCCGGGAACG TATTCACCGT AGCATGCTGA TCTACGATTA	240
10	CTAGCGATTC CAGCTTCATG TAGTCGAGTT GCAGACTACA ATCCGAACTG AGAACAACTT	300
	TATGGGATTT GCT	313
15	(2) INFORMATION FOR SEQ ID NO: 4345:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4345:	
25	ATTTTATCGT AAGATTTTTT CGCAATGAGA TTTGGATCGT TTTTGTCCAC TACAATATCT	60
	AATAGTTTTA CTTTAAGTCC AGCATTCACA AAAAGTGCTG CCAGTTGAGC GCCCATTGTG	120
20	CCTGCGCCAA GAACGGTTAC TTTATTAATT GTCATAGTGA TTCCTCCAAT TTAGTTGAGG	180
30	ATAAGATAAC CATTAAGATA ATTGGAATAA CGTTGCTATT TTATAAAATT AATTAAGTAT	240
	CTTTGACAGT CATCTTAGCC TCTTATTTAA GGNAAAAGCN TTATGCTTAA NATAAGTCTT	300
35	TTTTA	305
	(2) INFORMATION FOR SEQ ID NO: 4346:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4346:	
	GTCAGTTATG GCAAGTGCAT CAACATTTTC AGACACAGCA AGTCTTACGG CATCTTCTAT	60
50	TTTTAAGCTT GAATTTAACA AATCATAAGC CGTATGAATA TTTAAATATG CCACCATGAT	120
	TGAATGGnCC CTTTCTATTA GTTAAGTTTG TGCGTAAAGC TGTAGCAAGT TGCTCAAATT	180
	CATCCCCAGC TGTCCACTGA AACTCCTGGA CGCATTCGGA TGAnCAACGC CAACCAAAAT	240

	ANTACCTTCA TCGACTGCAA ATACCCATAA TTTCCAGCCT TGATGTCAGC AATGTAATAA	360
	CCAACTGAGA TGCTCATIGG CTGATACGAT GnTCCATACA	400
5	(2) INFORMATION FOR SEQ ID NO: 4347:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 337 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4347:	
13	TCTGGGTTGA GTCGGGTCCT AAGCTGAGGC CGACACGTAG GCGATGGATA ACAGGTTGAT	60
	ATTCCTGTAC CACCTATAAT CGTTTTAATC GATGGGGGGA CGCATAGGGA TAGGCGANGT	120
20	GGCGATTGGA TTGCACGTCT AAGCAGTAAG GCTGAGTATT AGGCAAATCC GGTACTCGTT	180
	AAGGCTGAGC TGTGATGGGG AGAAGACATT GTGTCTTCGA GTCGTTGATT TCACACTGGC	240
	CGAGAAAAGC CTCTAGATAG AAATAnGTGC CCGTACCGCA ACCGACACAG GTAGTCCAAG	300
.25	ATGAGATTCn TAAGGTGGAG CGACGAATCT CCGTTAA	337
	(2) INFORMATION FOR SEQ ID NO: 4348:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4348:	
	GTTAAGACAC CGCCCTTTCA CGGCGTAACA CGGGTTCGAG TCCCGTAGAG GTCACCATTT	60
40	TTTAGGTCTC GTAGTGTAGC GATTAACACG CCTGCCTGTC ACGCAGAGAT CGsGGGTTCG	120
	ATTCCCGTCG AGACCGTACA AATGCCTATC CAAGAGGATA GNATTTTTT TGCGTTTAAT	180
	ATTATATTAA TAAAAGATAT ATGGACGAAT GATAATCATA TTGATTTATC TGTTCGTCCA	240
.45	TTTTCTTTAA AATGTATGAA CCTCAAGTAA CTTAGTGGTT GGATATGAAA GATAAACGTn	300
	GACAATAAAA TCTTTATT	318
	(2) INFORMATION FOR SEQ ID NO: 4349:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 319 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4349:	
	CTTTAAAGCA CGTATAATGA TGATTTTCAG CTTGTACAAA GGAGAAAAAA AGAAGACAAC	60
5	CAAGCCCAAT AATGGACTGG CCGCCTAATA ATAAAAGCTC TAAAAGTTGT ATTTTAAAAA	120
	TAGTTCTTTA AATTATATAC CCACCACATT TGGTGnAGnA ACCTAAAAAA AngCACTTCC	180
10	CAAAAATGGA AAGTGCAAGT AGTGAGCCAT AGAGGATTCG AACCTCTGAC CCTCTGATTA	240
10	AAAGTCAGAT GCTCTACCAA CTGAGCTAAA TGGCTCTAAA TGGCTGGGCT AGCTGGGATT	300
	CGAACCAACG AGTGACGGA	319
15	(2) INFORMATION FOR SEQ ID NO: 4350:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 346 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4350:	
25	ACTTCGCTAC CCCTCCAGCT TATTCATATA ATTTAATAAT CAAAATGGTG GAGAATGACG	60
	GGTTCGAACC GCCGACCCTC TGCTTGTAAG GCAGATGCTC TCCCAGCTGA GCTAATTCTC	120
	CAAAATAATG ACTCCTACGG GACTCGAACC CGTGTTACCG CCGTGAAAGG GCGGTGTCTT	180
30	AACCGCTTGA CCAAGGAGCC ATGGCTCCAC AGGTAGGACT CGAACCTACG ACCGATCGGT	240
	TAACAGCCGA TAGCTCTACC ACTGNAGCTA CTGTGGATTG AATCATTATG CCTGGCAACG	300
35	TTCTTACTAT AGCGGAANGT CAAGTTCCGC ATNACCATAC GAAGCT	346
	(2) INFORMATION FOR SEQ ID NO: 4351:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4351:	
	ACGTCCTTCA TCGGCTTCTA GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT	60
	ATGTTTCCAC CATTTTTATA AGTNAAACGT TAACATGAAG TTACGTTCTT TTATAAAAAG	120
50	ATTTAAACGC GTTATTAATC TTGTGAGTGT TCTTTCGAAC ACTAGCGATT ATTTCTTATG	180

	ACTTACTTAT CTAGTTTTCA ATGTACAAAT AATGGTGGGA GACTAGCGGG ATCGAACCGC	300
	TGACC	305
5	(2) INFORMATION FOR SEQ ID NO: 4352:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 302 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4352:	
, ,	GTTCATCAAT TGCTAATTCC AGTCCGCCTA ACGGATCAAT TTCATCCGCA TGTATTTTCA	60
	CTTTAAAACC TGGCTTCTTT GGCTTTTTGC ATATAATGTT GCGATTGTTC TATTGTAAAT	120
20	ACACCTGTTT CACAGAAAAT ATCCGCAAAG TCTGCATATT GTTTTACTTC CGGAAGTAAC	180
	GCAATCATTT CTTCTAAAAA TGCCTCATTT GAACTTGCCT CTTTAGGTAC AGCATGAGGC	240
	CCTAGGAAAG TATGTTTCAT GTCTAAATCA TATTTCTCAG CTAAACGATT AGnCACTTTC	300
25	AA	302
	(2) INFORMATION FOR SEQ ID NO: 4353:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 411 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4353:	
	TCTACCGCTG AACTACTTCT GCGGGTGAAG GGAGTCGAAC CCCCACGCCG TANNTGAGGA	60
40	TCCTAAGTCT AGTGCGTCTG CCAATTCCGC CACACCCGCA AATGGTGAGC CATAGAGGAT	120
	TCGAACCTCT GACCCTCTGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT AALGGCTCTT	180
	CCATGGTGCC GGCCAGAGGA CTTGAACCCC CAACCTACTG ATTACAAGTC AGTTGCTCTA	240
45	CCAATTGAGC TAGGCCGGCA ATATGTAAGA ATAAATGGTG GAGAATGACG GGTTCGAACC	300
	GCCGACCCTC TGCTTGTAAG GCAGATGCTC TCCCAGCTGA GCTAATTCTC CGnTTTAAAA	360
	CTGCTGGCnA CGGTCTAnTC TAAGGGGACG TAAGGTCGAC TACCATCGAC G	411
50	(2) INFORMATION FOR SEQ ID NO: 4354:	
	(i) SEQUENCE CHARACTERISTICS:	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4354:	
	TGCTTAGATG CTTTCAGCAC TTATCCCGTC CACACATAGC TACCCAGCTA TGCCGTTGGa	60
10	CGACAACTGG TACACCAGAG GTATGTCCAT CCCGGTCCTC TCGTACTAAG GACAGCTCCT	120
	CTCAAATTTC CTACGACCAC GACGGATAGG GACCGAACTG TCTCACGACG TTCTGAACCC	180
	AGCTCGCGTa CCGCTTTAAT GGGCGAACAG ACAAGCCCTT GGGGACCGAC TACAGCCCCA	240
15	GGATGCGATG AGCCGACATC GAGGTGCCAA ACCTnCCCGT CGATGTGAAc TCTTGGGGGA	300
	GATAAGnCTG TTATCCCCGG GGTAACTTTT ATCCGTTGAG CGATGGGCCC TTACCATGCG	360
	GAAACCA	367
20	(2) INFORMATION FOR SEQ ID NO: 4355:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4355:	
	GTATTTTAAA TCATAGTGGT TTATGCGTCT TTTTCAAATT CTATAAAAAA TCGGATGACG	60
	TGTAATCTGC CATAGATTAA CACATTCATC CGATTTATAA TAATAAGATA GACTAACATT	120
35	TATTGAGAGC GGGACGGAAA TGATAAAGAA CGACTAATGA TTGATTATGT AGCGATTCTT	180
	TATCATTAGT CACAGCTAAT GTGTACTTAA AAATATGAAT GCATGAGTTA CACTCANATT	240
	AGAGGAAATA CTAATTTCTA AAGAAAAAGT ATTTCTTTAT GTTGGGGnCC ACCCCAACTT	300
40	GhCATTGTCT GTT	313
	(2) INFORMATION FOR SEQ ID NO: 4356:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 335 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4356:	
	GGGCTGGGTT CAGAACGTCG AGGCAGTTCG YTCCCTATCC GTCGTGGGCG TAGGAAATTT	60
55		

	TCGTGCCAng CATAAGCTGG GTAGCTATGT GTGGACGGGA TAAGTGCTGA AGATCCTGAA	180
	GCATGAAGCC CCCCTCAAGA TGAGATTTCC CAACTTCGGT TATAAGATCC CTCAAAGATG	240
5	ATGAGGTTAA TAGGTTCGAG GTGnGAAGCA TGGTGACAGT GGNAGCTGAC GAATACTAAT	300
	CGATCGAGGA CTTAATCAAA ATAAATGTTT TGCGA	335
	(2) INFORMATION FOR SEQ ID NO: 4357:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 304 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4357:	
20	GCTCTAAAAG TTGTATTTTA AAAATAGTTC TTTAAATTAT ATACCCACCA CATTTGGTGn	60
	ngaacctaaa aaaaagcact tcccaaaaat ggaaagtgca agtagtgagc catagaggat	120
	TCGAACCTCT GACCCTCTGA TTAAAAGTCA GATGCTCTAC CAACTGAGCT AATGGCTCTA	180
25	ATGGCTGGGC TAGCTGGATT CGAACCAACG AGTGACGGAT NAAAGTCCGT TGCCTTACCG	240
	CTTGGCTATA GCCCAATATA TAGATGGTGG AGGGGGGCAG ATTCGAACTG CCGAACCCGA	300
	AGAG	304
30	(2) INFORMATION FOR SEQ ID NO: 4358:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 302 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4358:	
40	ATAATGGTGA CGTTGATGAT GCATTAACAC AAGGTAAAGC AGCAATTGAT GCTATTCAAG	60
	TAGATGCTAC TGTTAAACCT AAAGCGAACC AAGCTATTGA AGTTAAAGCA GAAGATACGA	120
45	AAGAATCTAT TGATCAAAGT GACCAGTTAA CTGCTGAAGA AAAAACTGAA GCATTAGCAA	180
	TGATTAAACA AATTACAGAT CAAGCTAAAC AAGGTATTAC TGATGCAACA ACAACTGCTG	240
	AAGTTGAAAA AGCGAAACTC AAGGACTTGA AGCATTTGAT AACATTCAnn TCGACTCANC	300
50	AG	302
	(2) INFORMATION FOR SEQ ID NO: 4359:	

5	<ul><li>(A) LENGTH: 350 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4359:	
10	GGTTGGGAAA TCATTGCATG AGAGTGTGAA AGGGCATAAG GGGAGCTTGG ACTGCGAGAC	60
	CTACAAGTCG AGCAGGGTCG AAAGAGGACT TAGTGATCCG GTGGTTCCGC ATGGAAGGGC	120
	CATCGCTCAA CGGATAAAAG CTACCCCGGG GATAACAGGC TTATCTCCCC CAAGAGTTCA	180
15	CATCGACGGG GAAGTTTGGC ACCTCGATGT CGGCTCATCG CATCCTGGGG CTGTAGTCGG	240
	TCCCAAGGGT TGGGCTGTTC GCCCATTAAA GCGGTACANG GCTGGGTTCA GAACGTCGTN	300
	AGAAAGTTCG GTCCTATCC GTCCTGGGGC GTAGGAAATT TnGAGAGGAG	350
20	(2) INFORMATION FOR SEQ ID NO: 4360:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
.30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4360:	
	AGCTCCTAAA AGGTTACTCC ACCGGCTTCG GGTGTTACAA ACTCTCGTGG TGTGACGGGC	60
	GGTGTGTACA AGACCCGGGA ACGTATTCAC CGTAGCATGC TGATCTACGA TTACTAGCGA	120
35	TTCCAGCTTC ATGTAGTCGA GTTGCAGACT CACAATCCGA ACTGAGAACA ACTTTATGGG	180
	ATTTGCTTGC ACCTCGnGGT TTCGCTGTCC CTTTGTATTG TCCATTGTCA GCACGTGTGT	240
40	AGCCCAAATC ATAAGGGGCA TGATGATTTG GACGTTCATC CCCAnCTTCC TCCGGnTTGT	300
	ACACCGGCAG TTCAACTTAG AGTGCCCAA	329
	(2) INFORMATION FOR SEQ ID NO: 4361:	
<i>45</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 424 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4361:	
55	AGACATAAAA AAAGAGACCT CACGGTCTCA ACTTGCCTGG CAACGTTCTA CTCTAGCGGA	60

	CTnTCCTCTC CTTCGGCTCT CGCTTACTCA TTTAGCTCTA CTAAACTCGT TGCGCTCTTT	180
	TCTCGTTTCG TCAGATTCAA ACGTTTTCAC TnCGnCAAGC CATTTTTCTT TGTGTTTACT	240
5	TTTTATTTTG ACGTTTTAGG CATAAAAAA WGAGACCTTG CGGTCTCAAT GCGGCTCATC	300
	GCATCCATTT TTTGCCTGGC AACGTTCTAC TCTAGCGGAA CGTAAGTTGG GCTAACAACG	360
10	TCGCCAAAGA CCTTTCTTGA CTTGTGACAA TCGGCTTGCT TCTTTCCTCT CCTTCGGCTC	420
	TCGC	424
	(2) INFORMATION FOR SEQ ID NO: 4362:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4362:	
25	CACAACAAGT ATCTAAGATA CTGGCCGAAG ATTGTCACAG ACGGTAGGGG AAGGGGGTCA	60
	CGTGTACGAC CCAACATGTG GTTCCGGTTC ATMGTTGTTA CGTGTTGGTA AAGAAACGCA	120
	ATTHANTOGT TATTTCGGAC AAGAACGTAA CAATACTACA TACAACTTAG CACCATGAAT	180
30	ATGTTATTAC ATGATGTGCG TTATGAGAAC TTCGAGATCC GTAATGATGA CACATTGGAA	240
	AATCCAGCCT TTTTAGGCAA TACATTTGAT GCGGTTATTG CGAACCATAC AGTGCGAAAT	300
35	TGGACAGCAG ATTCCA	316
55	(2) INFORMATION FOR SEQ ID NO: 4363:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4363:	
	GGGTACTAAG ATGTTTCAGT TCTCCGGGTG TGCCTTCTGA TATGCTATGT ATTCACATAT	60
	CGATAACATG ACATAACTCA TGCTGGGTTT CCCCATTCGG AAATCTCTGG ATCAAAGCTT	120
.50	ACTTACAGCT CCCCAAAGCA TATCGTCGTT AGTAACGTCC TTCATCGGCT TCTAGTGCCA	180
	AGGCATCCAC CGTGCGCCCT TGAATAACTT AATCTATGTT TCCATCCTAC AGGAAACGCG	240
55	TTGATTAATC TTGTGGAGTG TTCTTTCGAA CATAGCGATT ATnTCTTATG GAATTCAAGC	300

	(2) INFORMATION FOR SEQ ID NO: 4364:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4364:	
	nTGCACTTAA GAACTTAGAC GATCGTGGTA TCGTTTATAT TGGTGCAGAA GTAAAAGATG	60
15	GAGATATTT AGTTGGTAAA GTAACGCCTA AAGGTGTACT GCAGTTAACT GCCGAAGANA	120
	GATTGTCACA TGCAATCTTT GGGTGAAAAA GCACGTGAAG TTAGAGNATA CTTCATTACG	180
	TGTACCTCAC GGCGCTGGCG GGTATCGTTC TTGCATGTTA AAAGTATTCC AATCGTGCAA	240
20	GAAGGGCGAC GATACATTAT CCACCTGGTG TTAAACCAAT TTTAGTACGT GGTATATATC	300
	GTTCCAAAAA CGT	313
25	(2) INFORMATION FOR SEQ ID NO: 4365:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 310 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4365:	
35	AACCATTCGA TGCAATAGCG TCATTCTTGG ATATTAATCC CTAAATTGCC GTGATATCCC	60
	GCGTCTATCT TGGCCTGTTT CAATCACTAA ATGCGTTTTA CTACTTACAC CACTACGGGC	120
	TAGTTAATAG TCCGACATAG CCCTCTGGTA TGCTTACAGC TACATCTGTn TTAATCACTG	180
40	CCTTTTCTTG TGGCTCAAGT ACGACAGTTC AGCTGAGAAT ATGTCATAAC CTGCATCCGn	240
	CTTATGATTT CGTTCGGGCA TTCTAGCATT TTCTGATAAT AGCCTTACTT GTAATGTGTn	300
45	AGTCATTTTC	310
	(2) INFORMATION FOR SEQ ID NO: 4366:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AGTGGTACTT CTGTTAATTG GTGAATTTGG ATACTGGTTA TATTCAGCTG CACCGCAAGC	60
	AACTTCTATT GATGGCCTAA CTGCCTTTTT ACCTCAAGCA ATGGGTATGG TAATTGTTGC	120
5	AGTCATTTAT GGCTTTATGA ATATGAAAGC AGAGAATCCA TTCCGTAATA AAATTACGTG	180
	GTTACAAATT ATTTCAGGTT TCTTCTTTGC ATTTGGTGCT TTAACATATC TTATTTCAGC	240
10	ACAACCTAAT ATGAATGGTT TAGCACTGGA TTTATCCTTC TCAACATCCG TGGTGCTGCT	300
	ACATTAAnGG TATTAATTCT TAAACCACAT AAACGTCAAA GAATGGTAAT ACAATCACGG	360
	CTAGTACCAT TTAGTAGCCG CTCCGTACCG NAATTATAAA	400
15	(2) INFORMATION FOR SEQ ID NO: 4367:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4367:	
20	CACCTGGACG AAACGGTTTT AGATCGTATT CAATTGAAAA GGCCGGTATT GAATGAATCA	60
	CACTTAGCAG CGATTGATCA GGAACATTTT AAATTAACTT ATTTATCAAC GGTATATGAA	120
30	GGGGATTTGG AAGATGCGTT AGAAGCATTA TGCCGAGAAG CAGTGAATGC TGTAAACAAG	180
	GCGCTCAAAT TCTAGTGTTA GATGATAGTG GATTAGTTGA TAGCAATGC TTTGCAATGC	240
	CGATGTTACT CGCnATAAGT CATGTGCATC AATTACTTAT TAAAGCAGAT TACGNATGnC	300
35	TACAAATTTA ATCGCTAAAT CTGGTG	326
	(2) INFORMATION FOR SEQ ID NO: 4368:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4368:	
	ATTATAGCCG AAATGCCCAA AATAGATTTT GACGAATATT ACGAATGGTT GCTTTACTTG	60
50	CATAAATGGC TTTAGGAATA AGCATCAAGT CGCCACCAAG AATAGTAATA TCAGCTGCTT	120
	CAATGGCAAC TTCTGTACCT GTAnCAATGG CGATACCGAT ATCAGCTTTA ACTAATGCAG	180
55	GTGCATCATT TACACCGTCA CCAnCCATCG CAACCTTCTT ACCTTGTTGC TGTAGTTTCG	240

	GTTTTGC	307
	(2) INFORMATION FOR SEQ ID NO: 4369:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 396 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
10	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4369:	
15	TTCTTTCTCT TCCTCCGGGT ACTAAGATGT TTCAGTTCAC CGGGTGTGCC TTCTGATATG	60
	CTATGTATTC ACATATCGAT AACATGACAT AACTCATGCT GGGTTTCCCC ATTCGGAAAT	120
	CTCTGGATCA AAGCTTACTT ACAGCTCCCC AAAGCATATC GTCGTTAGTA ACGTCCTTCA	180
20	TCGGCTTCTA GTGCCAAGGC ATCCACCGTG CGCCCTTAAT AACTTAATCT ATGTTTCCAT	240
	CCTACAGGAA ACGCGTTATT AATCTTGTGA GTGTTCTTTC GAACAYTAGC GATTATTTCT	300
25	TATGAATTCA AGCTTATTTA AAACTCCTTA TTCAATCGGT TTTGCTTGGG TAAAATCCTA	360
25	TATTTTACHT ACCHTATCGA GTTTTCAATG TAACAA	396
	(2) INFORMATION FOR SEQ ID NO: 4370:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 315 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4370:	
	CAGTAAGATA ATTTTCAATT AGAAAATATC TTACTGCTGT TCTCTATTTA TACAATACTT	60
40	CGTATTGAAT GGCTTCGCTT TCCTAGGGTG CCGTCTCAGC CTCGGTCTTC GACTGGCACT	120
	GCTCCCTCAG GAGTCTCGCC ATTAATACTA CGTATTAACA TGTAATTTTA CTTTTACATA	180
45	CTTTTAAAAA ATAAGACACT TTGCCAAACT TGCACATAAA TGTTTAATTC AATAATTTGA	240
	ATTTTCTGTG TTGGGTCCCT TCGTATAATT TAATAAATAC CACTAAACTA AATTArTGAA	300
	GTGCCTTATG TATAA	315
50	(2) INFORMATION FOR SEQ ID NO: 4371:	
55	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 322 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4371:	
5	GTCGTCAAAT GTACCTTCAC CAAGTAGTGA TGTACATATT TACCGCCTTG TTCAACAGCA	60
	CGTGTCGGCG CACCTGTAAT CGCAATGACA GGTATGCGTT CAMATATGAA CCTGCGATAC	120
10	CGTTGACGGC ACTTAATTCG CCAACACCAA ATGTAGTAAC TAATGCAGCG AGTCCATTAA	180
10	GACGGGCATA ACCGTCCGCT GCGTAACTTG CGTTTAATTC ATTTGTATTT CCTACCCAAT	240
	CTACAATGGG GTTGCTGATA ATATCGTCTA GAAAAGCGAG ATTAAAATCA CCAGGGnCAC	300
15	CAAAATITTT ATCGACGGCn TG	322
	(2) INFORMATION FOR SEQ ID NO: 4372:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 327 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4372:	
	CCTAAGTCTA GTGCGTCTGC CAATTCCGCC ACACCCGCAA ATGGTGAGCC ATAGAGGATT	60
30	CGAACCTCTG ACCCTCTGAT TAANAGTCAG ATGCTCTACC AACTGAGCNA ATGGCTCTTC	120
	CATGGTGCCG GCCAGAGGAC TTGAACCCCC AACCTACTGA TTACAAGTCA GTTTGCTCTA	180
	CCAATTGAGC TAGGCCGGCA ATATGTAAAG AATAAATGGT GGGAGAATGA CGGGTTCGnA	240
35	ACGGCGGAAC CCTCTGCTTG TAAAGCAGAT GCTCTCCAGC TTGAGCTAAA TCTCCGATTT	300
	AAAACTGCTG GGCAAGTTCT ACTCTAG	327
40	(2) INFORMATION FOR SEQ ID NO: 4373:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 400 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
45	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4373:	
50	CATTTTAATT TATTGTACAG AACGAAATGT GATGTTAGTA GATCATAGGG TTGATGATAA	60
	TATTAAAGCT GAAAACGTTA TATTTATTGG CCTTTTGTGT AAACATGGAC ATTGGCATGC	120
	AGTCATTTAT GACATTGCTC AAGACAAAAC TGCCGAACTC GAAATTGAAA ATATTATAGA	180

	TCAATTTTTA AACCCCATCG ATTCCTAAAA AACAGCAGTA AGATGATTTT CAATTAGAAA	300
	ATATCTTGCT GCTGTTCTCT ATTTATACAA TACTTCGTAT TGAATGGCTC GCTTTCCCAG	360
5	GGRGCCGCTC AGCCTGGGCC TCGACTGGCA ATGCTCCCTC	400
	(2) INFORMATION FOR SEQ ID NO: 4374:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 334 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4374:	
	TAATGGATTT TTTAGTGTTG GTGTCGTTAT TGTCTTCTCA CCTTTTTGTC CTTCTCTTGT	60
20	TACTTTTTCT GTCCCTGGTG CTAAATCAGG ATTAAATTTA CGTTCTTTCT CGAATGGAAT	120
	CTCTTCTTTT TCTACAATCG AGTCTCCTTT TACAGGTCCA TATTTTGTTA CGCTATCGAC	180
25	CGGTGGTCTA ACTACATCTC CTGTTTCTGG ATTCTTAATT CCTGGTTTAC CTGGGAACTT	240
23	CCTCTTTCTC TCCTGTTGGT AACTTCGGGA TCAAATTCGT CTCGATGGAC CTGGTGTTGA	300
	nCGTTTCTGG GTCCGnAAGT CTGTnGAATT GCAG	334
30	(2) INFORMATION FOR SEQ ID NO: 4375:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4375:	
40	ATACATGCAA GTCGAGCGAA CGGACGAGAA GCTTGCTTnG TGAATGTTAG CGGCGGACGG	60
	GTGAGTAACA CTGGATAACC TACCTATAAG ACTGGGATAA CTTCGGGAAA CCGNAGCTAA	120
45	TACCGGATAA TATTTTGAAC CGCATGGTNA AAGCTTGCAA AGACGGTCTT GCTGTCACTT	180
	ATAGATGGAT CCGCGCTGCA TTAGCTAGTT GGTAAGGTAA	240
	GCATAGCCGA CCTGAGAGGG TGATCGGCCA CACTGGAACT GAGACACGGT CCAGACTCCT	300
50	ACGGG	305
	(2) INFORMATION FOR SEQ ID NO: 4376:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 305 base pairs	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4376:	
	GATAAAGTGA AAGAACTCGG ACGTGACACC TATTGCACGA TTCGTTGGTT TTAAGGCAGT	60
10	AGGCGTTGAC CCGAAAATTA TGGGTATTGG GCCTGGCATA TGCGATTCCT GAAGTATTGT	120
	CACTCAGCAA TCTATCTGTT GAAGACATTG ATTTGATCGA ATTGAACGAN CATTTGCTCT	180
	CAAACGATTG CATCTATTAA AGAAGTAGGT CTAGATATAT CACGTACGAA TGTGAATGnT	240
15	GGCGCTATTG CTTTAGGTCA TCCATTAGGT GCTACAGGCG CAATGTTAAC CGCGCGTTTA	300
	CTTAA	305
22	(2) INFORMATION FOR SEQ ID NO: 4377:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 324 base pairs</li><li>(B) TYPE: nucleic acid</li></ul>	
25	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4377:	
30	AATGTCTTCT ACCCCATCAC AGCTCAGCCT TGAACGAGTA CCGGGTTTGn CCTAATACTC	60
	AGACCTTGAC TGCTTAGACG TGACAATCCA ATACGACACG CTTCGCCTAT CCTACTGCGT	120
	CCCCCCATCG ATTAAAACGA TTATAGGTGG TACAGGAAAT ATCAACCTGT TATCCATCGC	180
35	CTACGCCTGT CGGCCTCAGC TTAGGACCCG ACTAACCCAG AGCGGACGAG CCTTCCTCTG	240
	GAAACCTTAG TCAATCGGTG GACGGGATTC TCACCCGTCT TTCGCTACTC ACACCGGCAT	300
40	TCTCACTTCT AAGCGCTCCA CATG	324
40	(2) INFORMATION FOR SEQ ID NO: 4378:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4378:	
	CATCATGCTT AGAAAACGCT TAATTTAGGT TTTGACTTTT TAATCAGAGT ATATAAGCAA	60
55	AACTTATCAT ACAGGTAAGG TGTAATAAGT ATTTTTTATT AATTGAGAAT AATTATCAAT	120

	TGGCACCAAA CTTTAATATT TTTTTCAATG TCATTCTTTT GATGGGAGTG GGACAGAAAT	240
	GATATTTTCG CAAAATTTAT TTCGTCGTCC CACCCCAACT TGCATTGTCT GTAGAAATTG	300
5	GGGAATCCCA ATTCCTCCTT GGTGGGGGCC CATCCCCACC TTGCACATAA TGGnAGCnGG	360
	ACCTTTCCGC CGCTCCGGGG TGGGGGCCTC nACCCCAnTC	400
10	(2) INFORMATION FOR SEQ ID NO: 4379:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 345 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4379:	
20	ATAAAATATA TCACTTGAAA AATTTCATGT AGAAAAGATG ATGGATAGGC TATAAAGTAA	60
	TTGTGACTGA GATGAACTTT TATGTCTTAG ACACTACAAC ACTATATTGG CAGTAGTTGA	120
25	CTGCGGGGCC CCAACATAGA GCAAATTGGA TTCCCAATTT CTACAGACAA TGCAAGTTGG	180
	GGTGGGCCCC AACATGAAAG AAATACTTTT TCTTTAGAAA TTAGTATTTC TTATGCATGA	240
	GTGTACTCAT GTTGCGATTA TTTTTnAGTA CACATTAGCT GTGGACTAAT GATAAAGGnn	300
30	TCGCTACATA ATCCATCCAT TAGGTCGTTC CTTGATTCAT TCCCT	345
	(2) INFORMATION FOR SEQ ID NO: 4380:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 363 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4380:	
	CTAAAGCTGn CATATGCGGC TTGCCGATGA AGCCAACCCT GCTGCTGTTG GTACAAAATT	60
45	GTCGCTTTCA ATTTCTGCAT ACCAATCGAT GCCAGCTCTA TTTCTGACAA TATCCATATA	120
	TTTTGAAATT TTCTCTAATT CTTTGCCACT AACCTTTTCA CCATTCAACC AAAATTGATC	180
	CTGTGTTAAC TGGTCGTTAA AAGTGACTTT CGTTTCAGTG TAAAATTTTT CTAATGTAAC	240
50	AGATATGCTA TTATTCATGG AAGATTAGTG CTTCATCTTT TTTACCCCAA TATTTTATAA	300
	GTGCAATATC GTAGTGCAGG CTTGCCACTT TAACACGCAT AACTCCTAAA TCTCAACCAG	360
	ΔΤη	363

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4381:	
70	ACCTGAATGA CTCAAACTTG ACTTTnCGAC AATTGACTGT nCATTTTGCA TAGTTGTATG	60
	nCTCCATTnC GTAATTATTA GATTTGTTCG CTTACGTCTA TTGAATCATA CAGCTTTATT	120
15	ATAGTTAGCG TATTTGCACC TTTGCACATT AAACCATGTT TAATAATCAT TGAATCATTA	180
	TTAAGTAAAT TAAGGAATCT ATAATGTTCG TTAAATAAAA CTGATCCCGT TGTGGCTTCA	240
	CACCCGATAG ATAGGGATTT ACAGATAAAT TCAGGTCTCT TCCACGTCCA TATTTGGGAC	300
20	CCATCGAAAA TCGGGTTCTC AAATCATCGA ACATAACAAA AGAAGCTAAG CAACAGTAGG	360
	GCCGTTGTCA CTTAACTTCT GTTTTTCCGA TGACAGCTTC	400
<i>25</i>	(2) INFORMATION FOR SEQ ID NO: 4382:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 304 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4382:	
35	GNACTACAAA GCAATGGGGT TTGCCAGTTT CTTTATTTAC TGACGAATAC TGGCAATGAC	60
	ATCAGATACA TGTGGCAnCA CCAATCCATT TCTTTTCACC ATTGATAACC CAAGTATCGC	120
	CTTGGGTTGC AGGGACTGTT TCAAGACCTC CCGCAACGTC CGAACCGTGT TCTGGTTCAG	180
40	TTAAAGCAAA GCATGTTACG CnTTCATGTG AACTGTAATT TAGGTACATA TTTCGCAATT	240
	TGTTCTTTGC TACCTCCGAA ATAGAAAGTG TTATGCCCTA AACCTTGGTG AACACCGAGT	300
45	AGGG	304
	(2) INFORMATION FOR SEQ ID NO: 4383:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 308 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

	GTGCATTATT TTGGAGAATT AGCTCAGCTG GGAGAGCATC TGCCTTACAA GCAGAGGGTC	60
	GGCGGTTCGA ACCCGTCATT CTCCACCATT TTGATTATTA AATTATATGA ATAAGCTGGA	120
5	GGGGTAGCGA ATGGCTAAAC GCGGCGGACT GTAAATCCGC TCCTTCGGGT TCGGCAGTTC	180
	GAATCTGCCC CCCTCCACCA TCTATATATT GGGCTATAnC CAAGCGGTAA GGCAACGGAC	240
10	TTTGACTCCG TCACTCGTTG GTTCGAATCC AnCTAGCCCA GCCATTAGAG nCATTAACTC	300
70	AGTTGGTA	308
	(2) INFORMATION FOR SEQ ID NO: 4384:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 309 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4384:	
	AATTTTGGCC AAAACACCCA TCCGCTGTAA CTTCAGAGTG TCATTGGCAT TTATTACACT	60
25	ATCTCCAACT CCTAGTGGAA CAACCACATC TCGTCCTTGG GGTGCATGGA ATGTTCCGTC	120
	AGCCCTGTGA ATTATTTCTT GAACTCCACC ACCTGGGGCG TTTCCAGAAC CTCTATCATT	180
30	TAATACAGCA AATGTCGGTT GCGTTAATGC TCCTGAATTA TCGGKAGCTA CACCCTTTCC	240
	TGCTAAAGTA CCAGTAGACA ATGTAGGTAT TGGCTTGATG AGATTTETAT CAGTAATGGC	300
	TTTAGANAT	309
35	(2) INFORMATION FOR SEQ ID NO: 4385:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4385:	
.0	AAAGGTGAAA AGCACCCGG AAGGNAGGTG AAATAGAACC TGAAACCGTG TGCTTACAAG	60
	TAGTCAGAGC CCGTTAATGG GTGATGGCGT GCCTTTTGTA GAATGAACCG GCGAGTTACG	120
50	ATTTGATGCA AGGTTAAGCA GTAAATGTGG AGCCGTAGCA NAACAGGTCT GAATAGGGCG	180
	TTTAGTATTT GGTCGTAGCC GANAACCAGG TGATCTACCC TTGGTCAGGT TGAATTCAGT	240
	AACACTGAAT GGAGGACCGA ACCGACTTAC GTTGAAAAGT GAGCGGATGA ACTGAAGGTA	300

(2) INFORMATION FOR SEQ ID NO: 4386:

55

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4386:	
	TAGAATCTTC ATCAATATGA TCTAACCAAT ATTGATAAAA CCTTGATGTG TTTCGTGTCA	60
15	ATGACATACC ATATCGACTA GGTACCTTTT TAGAATGTTG ATTAATCANG GCAAATATCA	120
	TGGCAAGGTC ATCTTCAAAA TGATTCGATT CAAGTGGAAG GCATATGACG TCTCATCACT	180
	ATACCCTTTT TCCCATTCTG CAAATCCACC ATAAATACTA CGCGACGCGG AACCCGGACC	240
20	CATTCGCGGC AATCTCGGTn AATCCTTATC TGGACAGCTG GCATGTCTAG CGGCTGGATT	300
	TACAAGCTGG CTGGCTAAAG CTGGCATATG CGCTTGCCGG TTGAAGCCCA ACCTGGCTGG	360
	CTGGTGGGGn ACAAATTGGT CGCTTTTCAA TTTCnGGCAT	400
25	(2) INFORMATION FOR SEQ ID NO: 4387:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 310 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4387:	
	TCAATTTATG GGGCATTATG ACTTTATATA CCTAAAATAC TATTAAGAAG TCCTGAAAAA	60
	TTCACATTAG CAGTTGGATT GTTCAACTTT ATTAATGATA AGTATGCAAA TAATTTCACA	120
40	GTGTTTGCAG CAGGGGCAAT TATGATTGCA GTACCTATAG CAATCGTATT CTTGTTCTTG	180
	CAACGCTATT TAGTATCAGG TTTAACAACA GGTGCGACAA AAGGTTAGTT TGAAATTCnC	240
	GnGTGGGGCA GAATTGATAA AGAACCACNA ATGACGATAA AGATTAAAAG GAGGACGTTA	300
45	TGGATGACGA	310
	(2) INFORMATION FOR SEQ ID NO: 4388:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 310 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4388:	
	AACATCATGC TGATGTTGTT GAATATGAAG AAGATACAAA CCCAGGTGGT GGTCAGGTTA	60
5	CTACTGAGTC TAACCTAGTT GAATTTGACG AGATTCTACA AAAGGTATTG TAACTGGTGC	120
	TGTTAGCGAT nCATACAACA ATTGAAGATA CGAAAGAATA TACGACTGAA GTAATCTGAT	180
10	TGAACTAGTA GATGAACTAC CTGAGGAACA TGGTCAAGCG CAAGGACCCA TTCGAGGAAA	240
	TTACTGGAAA ACATCATCAT ATTTCTCATC nGGTTTAGGn ACTGAAATGG TCACGGTAAT	300
	TTTGGCGTGG	310
15	(2) INFORMATION FOR SEQ ID NO: 4389:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 302 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4389:	
?5	TTTACCATAT CATCCACTAT TTATTAAACC TAATAAAGAT GAATTAGAAG TGATGTTTAA	60
	TACAACAGTG AACTCAGACA CAGATGTTAT TAAATATGGT CGTTTGTTAG TTGATAAAGG	120
	TGCGCAATCT GTTATTGTCT CGCTTGGCnG TGGATGGTGC TATTTATATT GATAANGAAA	180
30	TCAGTATTAA AGCAGTTAAT CCACAAGGGA AAGTGGTTAA TACAGTTGGC TCTGGTGATA	240
	GTACAGTTGC AGGCATGGTG GCTGGGAATT GCTTCAGGTT TAACGnTTGA AAAGGCATTC	300
35	CA	302
	(2) INFORMATION FOR SEQ ID NO: 4390:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 333 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(vi) CECHENCE DECORDERON, CEC ID NO. 4200	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4390:	
	AAAGAGTGCG TAATAGCTCA CTAGTCGAGT GACACTGCGC CGAAAATGTA CCGGGGCTAA	60
50	ACATATTACC GAAGCTGTGG ATTGTCCTTT GGACAATGGT AGGAGAGCGT TCTAAGGGCG	120
	TTGAAGCATG ATCGTAAGGA CATGTGGAGC GCTTAGAAGT GAGAATGCCG GTGTGAGTAG	180
	CGAAAGACGG GTGAGAATCC CGTCCACCGA TTGACTAAGG TTTCCAGAGG AAGGCTCGTC	240

	Incettacea cetataateg nitaategig ggg	333
	(2) INFORMATION FOR SEQ ID NO: 4391:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 306 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4391:	
	AGTGCGTTTG TGCACANACT TGACTGNAAC TTAGTGCCAT TGCAGCACCA GCAACCCATG	60
15	GCGCAATAAG CCCAATGCAG CTATAGGGAT ACCGNCAATA TTATAGCCGA ATGCCCAAAA	120
	TAGATTTTGA CGAATATTAC GAATGGTTGC TTTACTTGCA TAAATGGCTT TAGGAATAAG	180
20	CATCAAGTCG CCACCAAGAA TAGTAATATC AGCTGCTTCA ATGGCAACTT CTGTACCTGT	240
	ACCANTGGCG ATACCGATAT CAGCTTTAAC TAATGCAGGT GCATCATTTA CACCGTCACC	300
	AACCAT	306
25	(2) INFORMATION FOR SEQ ID NO: 4392:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 355 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4392:	
	TACGGTATGC ATATCTTTTA AAACCTATTC TTTTGTTATT AGGACATATA AATTCATCAT	60
	TAAGTTCGTC ATATTTCCAA TITTAAGTGT TGAAAATGTC ACTTTTAAAC TITCTAGTTT	120
40	TATCTTTAAT AAACATGCCA TACGTAATAA GTGGCGTTTT ATTAAAATCA TCTATAATAG	180
	CCATATAGTT TTGCTCACTA CCATAACCTG CATCAGCTAC AATATACTCC GGTAAATAAC	240
	CGAAGGGATT TTGAATCATT GTTAAAAATG GAATTAAAGT TCTAGTATCT GTTGGGTTTT	300
45	GAATAGGGTC ATGGGATAAA CCAAATGnGG AATTTGCCnC AATTTGTAAA TGGAA	355
	(2) INFORMATION FOR SEQ ID NO: 4393:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 364 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4393:	
	CATTCCGTAA TAAAATTACG TGGTTACAAA TTATTTCAGG TTTCTTCTTT GCATTTGGTG	60
5	CTTTAACATA TCTTATTTCA GCACAACCTA ATATGAATGG TTTAGCAACT GGATTTATTC	120
	TTTCTCAAAC ATCCGTTGTG CTTGCTACAT TAACTGGTAT TTATTTCTTA AAACAACATA	180
10	AAACGTCAAA AGAAATGGTT ATTACAATCA TCGGCTTAGT ACTCATTTTA GTAGCCGCTT	240
	CTGTTACAGT ATTTATAAAA TAAGGAGTGT AGATGTCATG AAAAAATCAG CGGTTTAAAT	300
	GGAACCTATT CCAAAGCCAT CGCGACCAAT GGGTCATTTG GATTAnTAAC GATAATGGCG	360
15	nnGG	364
	(2) INFORMATION FOR SEQ ID NO: 4394:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 315 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4394:	
	GATTAAAACG ATTATAGGTG GTACAGGAAT ATCAACCTGT TATCCATCGC CTACGCCTGT	60
<i>30</i>	CGGCCTCAGC TTAGGACCCG ACTAACCCAG GANCGGACGA GCCTTCCTCT GGAAACCTTA	120
	GTCAATCGGT GGACGGGATT CTCACCCGTC TTTCGCTACT CACACCGGCA TTCTCACTTC	180
	TAAGCGCTCC ACATGTCCTT ACGATCATGC TTCAACGCCC TTAGAACGCT CTCCTAnCAT	240
35	TGTGCCAAAG GACATGCCAC AGCTTCGGTG AATATGTTTA GCCCCGGTAC ATTTTCGGCG	300
	CATGTnCACT CGACT	315
	(2) INFORMATION FOR SEQ ID NO: 4395:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 322 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4395:	
50	AGCCCCCAAA TGGGTATTGA AATTGAATGG TGGGNCCTGA ANTGGACTCG AACCACCGAC	60
	CTCACGCTTA TCAGGCGTGC GCTCTAACCA GCTGAGCTAT AGGCCCATTA ATTTGAATGA	120
	ACAAACATTC AAAACTGAAT ACAATATGTC ACGTTATTCC GCATCTTCTG AAGAAGATGT	180

	TACGACTICA CCCCAATCAT TIGTCCCACC TICGACGGCT AGCTCCTAAA AGGTTACTCC	300
	ACCGGCTTCG GGTGTTACAA AC	322
5	(2) INFORMATION FOR SEQ ID NO: 4396:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 303 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4396:	
	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	60
	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTATTTTGAC	120
20	GTTTTAGACA TAAAAAAAGA NACCTCACGG TCCAAACTTG CCTGGCAACG TTCTACTCTA	180
	GCGGAANTGA ATTGGCTACC ATCGNCGCTA AAGACCTTTC TTGACTTGTG ACAATCGCTT	240
	GCTTCTTTCC TCTCCTTCGG CTCTCGCTTA CTCATTTAGC TCTACTAAAC TCGTTGCGCT	300
25	CTT	303
	(2) INFORMATION FOR SEQ ID NO: 4397:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 377 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4397:	
	TAAGAATATA AATGATTTTG AAAGCATTTG AAAGCTACAA CATTTCTATA AAATTTTTCA	60
10	ATAACAATTG CGCCACTAAA ACTCAAAATT TCCACCACCA ACATCCAAAT TATCAACATC	120
	GCAACATAAC CAAATGTTAT AATAAATCTA TTACACAAAG AGATAAATTA CTTATGCAAA	180
45	GGCGGAGGAA TCACATGTCT ATTACTGAAA AACAACGTCA GCAACAAGCT GAATTACATA	240
45	AAAAATTATG GTCGATTGCG AATGATTTAA GAGGGACATG GATGCGAGTG AATTCCGTAA	300
	TTACATTTTA GGCTTGATTT TCCTATCGCn TCCTTATCTG GAAAAAnCCG ACCAGGATnT	360
5 <b>0</b>	GCAGATGCCT GGCCAGG	377
	(2) INFORMATION FOR SEQ ID NO: 4398:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 313 base pairs</li></ul>	

(C) STRANDEDNESS: double

	(D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4398:	
	TGCAATAACA GTATCTATGC CTACTTGTTT TGCAATGGCT TGAGCAGTGT TTTTATTATC	6.0
		60
10	GCCAGTTAAC ATGGGCAACT TCAATGCCCA TATCATGGCA ATTGTTTTAT AGCATCTTTG	120
	GGCATGATnT TTGACAGTAT CTGCCACTGC GATGATACCA GTTAATGAAT AATTAACAGC	180
	AATGAGCATA nCAGTTTTAC CATCTCGTTC ATAATGTGTT AAATCATCAG AAATATGCTT	240
15	AAGCAACTAA TATCATTGTC AACCATTAAT TTACCGTTAC CAACCAATAT ATGGTGATGA	300
	TCnATCCTTC CTC	313
	(2) INFORMATION FOR SEQ ID NO: 4399:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	· · · · · · · · · · · · · · · · · · ·	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4399:	
30	TGGCTATGAT CATCCAAAAT ATGGTGAATC AATTGCTGCA GCCATTATAC TTCGCGAAGA	60
	TGAACCTCAT TACGCTGAAA TTTTAAATCA ACATATGCGA AGTCGTTTAG CAGGTTATAA	120
	AGTCCCAAGA ATGTATGTAC CAGTGACACA TATGCCGTTA AACAGTACGC AGAAACCAGA	180
35	TAAACTTGCG ATTCGACAAA TGATGAATGA CAAAGTCTCG CAAACACTTT AAAGGTGATA	240
	AAAATTTTTG ACATTTAGTG TAAGCGTTTA CAAATAAAGC GTGTTGTTTT TGAATTAAAT	300
	GCATTTCACA TTAGTATTCA TATTATNTTT AGGAGGAATT TATATGACAT TTGAAAAAGA	360
40	ACGGGCTTAA AACATTATTC CTGAGATGTA CTAGTATGCT	400
	(2) INFORMATION FOR SEQ ID NO: 4400:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 409 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(with GROUPINGS PROODINGS OF TO MAKE AND	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4400:	
	CTCATTTAGC TCTACTAAAC TCGTTGCGCT CTTTTCTCGT TTCGTCAGAT TCAAACGTTT	60
55		

	AAAAGAGACC TCgtCTCAAC TTGCCTGGCA ACGTTCTACT CTAGCGGAAC GTAAGTTGGC	180
	TACCATCGTC GCTAAAGACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTCT	240
5	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	300
	Arattcaaac Getttcactt CGGCCAAGGC ATTTTCTTT GTGGTTACTT TTTAATTTGG	360
	ACGGTTTTAG GCATAAAAAA AAAGGGGACC CTGCGGGCTC nAAAGGGGG	409
10	(2) INFORMATION FOR SEQ ID NO: 4401:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 311 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4401:	
	TCATGTAGAC TTTCAAGAAT CGACACATGA AAATTCAAAA CATCATGCTG ATGTTGTTGA	60
	ATATGAAGAA GATACAAACC CAGGTGGTGG TCAGGTTACT ACTGAGTCTA ACCTAGTTGA	120
25	ATTTGACGAA GATTCTACAA AAGGTATTGT AACTGGTGCT GTTAGCGATC ATACAACAAT	180
	TGAAGATACG AAAGAATATA CGACTGACAT nnATCTGATT GAACTAGTAG ATGAACTACC	240
20	TGGAAGAACA TGGTCCAAGC GCAAGGnCCA ATCCGAGGAA ATTGACTGGA AAACAATCCA	300
30	TCCATATTTC C	311
	(2) INFORMATION FOR SEQ ID NO: 4402:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 330 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4402:	
	TTAACGGATT ATTTGGCAAT TCGGTTAGTT GTCGAACAAT TGCTAGTTGG TGATGAGTTT	60
45	AAGTCAGTCG CTAAAGATTG TGAAAGTAGA TCGGAAAATT GGTTTAAGCA AACTGTTGCA	120
	TCATGGTGTT ACTACAGTGA TATGCCTAGC GATGTATTAC TACAACATGG ACGTCAATGT	180
50	AAATTnCAAA CGTTTATTCA TTTTGGCAGC AACTATGGAA TAAAAATGTA TTTAAAAATT	240
50	TATGGCTAAT TGCCTGGGGA AATGACATAC GAATCTCAGG TTAAAACAGA AAATTAAAGC	300
	ACCITCIATGIT NAAGIIGIIGGG CGGGNCGCAT	330

(i) SEQUENCE CHARACTERISTICS:

55

5	(A) LENGTH: 340 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4403:	
10	TGnTCACACA TAATTTGCGG CCATATGTTG TTGGCACTGG CCGTTTTGAT TATCTGGCAC	60
	TTTGGGCCCA TATGTTGnCA AAATACGCGC CAATTGCTTC TTTATAAGTT GTTATTTTTT	120
15	TACTTTTTCC ATCGATAAGC CATACCTCTG GATGATACAT ATGATGCCCC ATCGCAGACC	180
70	AATAGCGAAA TTCACCCGTT AAAGTTTCGA GCTCTGATAA TTGTATAGAC CATTGATGAT	240
	TTTGAGGTGG TACTTGATAT AAATTTTCTT CTCTAAAATA TTCATTTAAA ATGCGTTCGA	300
20	TAGCCGCATA CGCTGCCATG TTGTATTAAT CnTTAATTTG	340
	(2) INFORMATION FOR SEQ ID NO: 4404:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4404:	
	TTAACATATA TTTTGGGACC TTAGCTGGTG GTCTGGGCTG TTTCCCTnnA CGAACACGGA	60
35	CCTTATCACC CATGTTCTGA CTCCCAAGTT AAATTAATTG GCATTCGGAG TTTGTCTGAA	120
00	TTCGGTAACC CGAGAGGGGC CCCTCGTGCC AAACAGTGCT CTACCTCCAA TAATCATCAC	180
	TTGAGGCTAG CCCTGAAAGC TATTTCGGGA GAGAACCAGC TGATTTCCAG GTTCGATTGG	240
40	AATTTCTCCG CTACCCTCAG TTCATCCGCT CACTTTTCCA ACGTMAATCG GTTCGGTGCC	300
	TGCCATT	307
	(2) INFORMATION FOR SEQ ID NO: 4405:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 323 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4405:	

	ARACTTGAGT GCAGAAGAGG AAAGTGGAAT TCCATGTGTA GCGGTGAAAT GCGCAGAGAT	120
	ATGGAGGAAC ACCAGTGGGC GAAGGCGACT TTCTGGTCTG TAACTGACGC TGATGTGCGA	180
5	AACGTGnGGG ATCAAACAGG ATTAGATACC CTGGTAGTCC ACGCCGTAAA CGATGAGTGC	240
	TAAGTGTTAG GGGGTTTCCG CCCCTTGAGT GCTGnCAGCT AAACGCATTA AGCACTCCGC	300
	CTGGGGGAGT GACGGACCGC AAG	323
10	(2) INFORMATION FOR SEQ ID NO: 4406:	
15	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 315 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4406:	
	AATTATGGGA TGCAATGGGA TACGAACGTG TTAAAACACG TATGGAAGAC GAACTTGGAG	60
	ACTTACCACA ATGGATTAGT GATTTAGATG GTGGCTTTTA TAAACAAGAT GAGACCATTG	120
25	AATATGCAAC ACCTATTTCT CACTTCGTAA AAGATGAACT TTGGGATAAA GGTGATGCCA	180
	AACTTTCCGT AACTCATGAT GATCAACTGT TACTGAAATT ACAAAGTAAA AATAATGTCA	240
	TTACCGATGA ATTCAACGGT GCGTTAGTTG ATGCGATTGA TTTACTGGGA AATGACCCTT	300
30	ACnCnAGnAT GGGTA	315
	(2) INFORMATION FOR SEQ ID NO: 4407:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 333 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4407:	
	CACCACCTCC CTACCTACTC GCCCCCCATC ATAAAATAGG TGGACAGGAA TATCAACCTG	60
45	TTATCCATCG CCTACCCTGT CGCCTCAGCT TAGGACCCGA CTAACCCAGA GCGGACGAGC	120
	CTTCCTCTGG AAACCTTAnT CAATCGGTGG ACGGGATTCT CACCCGTCTT TCGCTACTCA	180
	CACCGGCATT CTCACTTCTA AGCGCTCCAC ATGTCCTTAC GATCATGCTT CAACGCCCTT	240
50	AGAACGCTCT CCTACCATTG TCCAAAGGAA TCnCACAGCT TCGGTAATAT GTTTAGCCCC	300
	GGTACATTTT CGGCGCATGT CACTCGACTA nTG	333

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 393 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4408:	
	ATTTAATGAA GTGCTTGTTA ATGAACCAAG CGCTAAAGAT ACTGTTGAAA TTTTAAAAGG	60
	TATTCGCGAA AAATTCGAAG AACACCATCA AGTAAAATTA CCAGATGACG TATTAAAAGC	120
15	ATGTGTTGAC TTATCAATTC AATATATTCC ACAACGATTA TTACCAGATA AAGCAATCGA	180
	TGTGTTAGAT ATTACAGCAG CACATTTATC TGCGCAAAGT CCCAGCTGTC GATAAAGGTT	240
	GAAACTGAAA AACGGATTTC TGGATTTnGA AAATGATAAA CGTAAAGCAG TAAGTGCTTG	300
20	AAGGGATTTT AAAAAAGCTG ACGGACCATT CCAAAATTGG AATCCAAATC nnTTACCAGG	360
	TTAAATTTGG GAAAATGGTT AATTGGTGGG ACC	393
25 30	(2) INFORMATION FOR SEQ ID NO: 4409:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 319 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4409:	
35	GACTTGTGAC AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCTTACT CATTTAGCTC	60
	TACTAAACTC GTTGCGCTCT TTTCTCGTTT CGTCAGATTC AAACGTTTTC ACTTCGCCAA	120
	GCCATTTTC TTTGTGTTTA CTTTTTATTT TGACGTTTTA GGCATAAAAA AAAGAGACCT	180
40	TGCGGTCTCA ATGCGGCTCA TCGCATCCAT TTTTTGCCTG GCAACGTTCT ACTCTAGCGG	240
	AAGTMAATTG GGCTACCATC GTCGCTAAAG ACCTTTCTTG ACTTGTGGAC AATCGCTTGG	300
	CnTCTnTCCT CTCCTTCGG	319
45	(2) INFORMATION FOR SEQ ID NO: 4410:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	AATTAAACAT TTCATTTTAA TCAATGAGAC TAANATACGC CTAACTTCGT TAACTTTTAA	60
	AATGTATTAA AATTCTAAAG TTTCTTTTGC TTTTTChATG ATGTCATTTT TGTTTGGTAA	120
		180
5	CCAAACATTT TCAGCTTGAG TGAATGGATA AATTGTATCT GCCTGCCTGA ACTCTTCCAA	240
	TAGGTGCTTC TAATGAAAGG ATTGCACGTC ACTTAATTCA GCTAACAACT GCTGCACCAA	
	CACCAGCTTG CNGTTGTGCT TCTTGACTAC AAACTGACGA CCAGTTTTTC AACTGAGCAC	300
10	AATTGTGCAC ATCGATTGGT GACAG	325
	(2) INFORMATION FOR SEQ ID NO: 4411:	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4411:	
	GAGTTGGACA ATGCCGAAGC GTGAGCAAAG TTTTTACCAT GCATGGTTGC ATTTAGCGCA	60
	ACATGACCAT AGTTTTACTA AAGCACAGCG CCAAGTGATT AAAGGCTTAC CCAATGATCC	120
25	TGAAATGACG ATAGAGTCAG TATTAACTCA TTTTTCAATA GATCAGGAAG ACTANCAAGC	180
	TGAAATGACG ATAGAGTCAG TATTAACTCA TTTTCGTT GTTCGTTGT ATTACCGTTC	240
	TTATGTTGAA GGACATCTTT TGGCGTTACC GGGTTAGGCA NOTHTGTTGTT AACGGGTTAA TTGGCCATTC GGGTAAGTTG	300
30		360
	TCCGACCATT GCCAAGTGGG TGATGAGTTN AGGCCAGTCC GCAAAAGATT GGGAAAGTAG	400
	TCCGGAAAAT GGGTTAAGCC AACCTGTTGC CATCCAGGGG	400
35	(2) INFORMATION FOR SEQ ID NO: 4412:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 369 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
46	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4412:	
45	GATATATGGC AGCTCAAAGG AATGGGTTTC AGTTGAAGTG AAATTATCAC AGTCACTAGA	60
	CCCGAGCACA TTATTTCATC TCACTGACAA TGAGGCAGGA GATCGCTTTT ATATGCGTTT	120
50	GAATGATAAT CGAACGTCAT ATTTTGGCTA CAAAGCAATT CAATTATTCA AAAATAATTC	180
-	TAAAAATAAA CAATCTATTT TAAAAGACTG GGGAAAATTA AACATAACCA TCACCATTTA	240

	CCATAAATCA GATGATGAAT GGCGnGAGTT TGGCCTAAAN CATTTGGAAT ACCCGGAGTT	360
	TTAATTCCA	369
5	(2) INFORMATION FOR SEQ ID NO: 4413:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 315 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4413:	
15	TACCATCCTC GCTAAGAACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTCT	60
	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	120
20	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTATTTTGAC	180
	GTTTTAGACA TAAAAAAAGA GACCTCACGG TCTCAACTTG CCTGGCAACG TTCNACTCTA	240
	GCGGAAGTAA GTGGGCTACC ATCGTCGCTA AAGACCTTTC TTGGACTTGT GGACAANCGC	300
25	TTGCGTCCTT nCCTC	315
	(2) INFORMATION FOR SEQ ID NO: 4414:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 309 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4414:	
	GACCATCTCC TAAGGCTAAA TACTCTCTAG TGACCGATAG TGAACCAGTA CCGTGAGGAA	60
10	AGGTGAAAAG CACCCCGGAA GGAGGTGAAA TAGAACCTGC AAACCGTGTG CTTACAAGTA	120
40	GTCAGAGCCC GTTAATGGGT GATGGCGTGC CTTTTGTAGA ATGAACCGGC GAGTTACGAT	180
	TTGATGCAAG GTTAAGCAGT AAATGTGGAG CCGTAGCAGA ACAGGGTCTG GAATAGGGCG	240
45	TTTAGTATTT GGTCGTAnCC GnAAACCAGG TGATCTACCC TTGGTCCAGT TGAAGTTCAG	300
	GTTnACACT	309
	(2) INFORMATION FOR SEQ ID NO: 4415:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 300 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4415.	
5	TTTATTATAC TTTACATTTC TCGTTTCGTC AGATTCAAAC GTTTTCACTT CGCCAAGCCA	60
	TCTTTCTTTG TGTTTGCTTT TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTTGCGGT	120
	CTCAAATGCG GCTCATCGCA TCCACTTTTT GCCTGGCAAC GTTCTACTCT AGCGGAAnTA	180
10	AGTTCGGACT ACCATCGACG CTAAGGAGCT TAACTTCTGT GTTCGGCATG GGAACAGGTG	240
	TGACCTCCTT GGCTATAGTC ACCAGNACAT ATGAATGTGA AATTTATACA TTCAAAACTN	300
, 5	(2) INFORMATION FOR SEQ ID NO: 4416:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 286 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4416:	
25	AGAAAAATAA GCGAACTGNA ATAAATAAAG ATTCAATTAA CGCATCAGTA TTAGGATTCA	60
	CTCTAAAACG ATTAATAGTT TTATAAGAAG GTGTTTGATC TTGAGCTAAC CACATCATTC	120
	GAATACTGTC ATGAAGTAAT TTCTCTATTC TACGACCAGA AAATACAGAT TGAGTATATG	180
30	CATATAAGAT GATTTTTAAC ATCATCTTTG GATGATAGGA TGTTGCGCCA CGATGATGTC	240
	TGAATTCATC GAATTTGCTA TCAGGTATCG TTTCAACAAT TTCATT	286
	(2) INFORMATION FOR SEQ ID NO: 4417:	
35 40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4417:	
45	TTTGATAAAA ATGGGCCATC GTCACGAGCT TCAACAATTC GTTTCGCCAAC GTTTTCGCCA	60
	AGCCCAGCCT GATATATTAC ATGAGGAGCG GTGCAAATGT TGTTAGAAAT TAAAGATTTA	120
	GTGTATAAAG CGAGCGATAG AATCATACTA GATCATATCA GTCTAAAAGT AGATAAAGGC	180
50	GAGAGTATTG CCATTATAGG TCCATCAGGT AGTGGTAAAA GTACATTTCA AAAGCAAATA	240
	TGTAATTTGT TTAGTCCAAC TAGTGGAGAA CTTTATTTTA AAGGTAAACC CTATAATGAT	300

	GTTTGGTGGA ACGNATTGGA NGATAACCAT GGATAATTCC	400
	(2) INFORMATION FOR SEQ ID NO: 4418:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 286 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4418:	
15	GTATTTACAA TCAAACTAAG CAAAAGTATT CAGATGCCTC AGATAAAGCT TGGGCGCATT	60
	CAAAATCTAT TTGGAGAGGC ACATCAAAAT GGTTTAGCAA CGCATATAAA AGTGCAAAGG	120
	GTTGGCTAAT AGATATGGCT AATAAATCGC GCTCGAAATG GGATAATATT TCTAGTACAG	180
20	CATGGTCGAA TGCAAAATCC GTTTGGnAAA GGAnCATCGA AATGGTTTAG TAACTCATAC	240
	AAATCTTTAA AAGGTTGGAC TGGGGATATG TATTCAAGAG CCCACG	286
	(2) INFORMATION FOR SEQ ID NO: 4419:	
25 30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 300 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4419:	
35	CTCACTTCTA AGCGCTCCAC ATGTCCTTAC GATCATGCTT CAACGCCCTT AGAACGCTCT	60
	CCTACCATTG TCCAAAGGNA TGCNCACAGC TTCGGTAATA TGTTTAGCCC CGGTACATIT	120
	TCGGCGCATG TCACTCGACT AGTGAGCTAT TACGCACTCT TTAAATGATG GCTGCTTCTA	180
40	AGCCAACATC CTAGTTGTCT GGGCAACGCC ACATCCTTnT CCACTTAACA TATATTTTGG	240
	GACCTTAGCT GGGTGGTCTG GGCTGTTTCC CTTTCGAACA CGGACCTTGA TCACCCCATG	300
15	(2) INFORMATION FOR SEQ ID NO: 4420:	
45 50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEOUENCE DESCRIPTION: SEO ID NO: 4420:	

	GGTGAGCGGA GCGAACTCnC GTTAAGGAAC TCGGCAAAAT GACCCCGTAA CTTCGGGAGA	120
	AGGGGTGCTC TTTAGGTTAA CGCCCAGAAG AGCCGCAGTG AATAGGCCCA AGCGACTGTT	180
5	TATCAAAAAC ACAGGTCTCT GCTAAACCGT AAGTGATGTA TAGGGGCTGA CGCCTGCCCG	240
	GTGCTGGAAG GTTAAGAGGA GTGGTTAGCT TCTGCGAACT ACGAATCGAA GCCCCAGTAA	300
10	ACGGCGGCCG TAACTATAAC GGTCTAGACG ATCTGC	336
10	(2) INFORMATION FOR SEQ ID NO: 4421:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 297 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4421:	
	GGnCACCCTC GTGCCAAACA GTGCTCTACC TCCAATAATC ATCACTTGAG GCTAGCCCTA	60
	AAGCTATTTC GGAGAGAACC AGCTATCTCC AGGTTCGATT GGAATTTCTC CGCTACCCTC	120
25	AGTTCATCCG CTCACTTTTC AACGTAATCG GTTCGGTCCT CCATTCAGTG TTACCTGAAC	180
	TTCAACCTGA CCAAGGTAGA TCACCTGGTT TCGGGTCTAC GACAAATACT AAACGCCCTA	240
30	TTCAGACTCG CTTTCGCTAC GGCTCCACAT TTACTGCTTA ACCTTGCATC AAATCGT	297
	(2) INFORMATION FOR SEQ ID NO: 4422:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4422:	
	GTACATCGTC TAATAATAAG TTGACGATAT CTTGCAATGC ATCTTTATCT AAATGTAAGA	60
45	ATTCAACGAT GCCGTTGAAG CGGTTAAGGA ATTCAGGGCG GAAGAATTTT TTCATTTCGT	120
45	GCATAATATC TTTTTCTTCA GCGTCATTGC CATTGCCAAA GCCAGCATTT GATGTACAAA	180
	TAATAATTGT ATTTTTAAAG TTGATGACAT TACCTTGACC ATCAGTCAAA TTACCATCAT	240
50	CCATTACTTG TAATAACAAT GTTAAAATTG TGGATTGCTT TTCGATTCAn CAATAGAATG	300
	ACTGAGANGG GATACGGCGA CTTTTCAGTA AACGGATTGA ATGGCATCAT ANCCACATAC	360
	CAGCGTGGAC CATCATTTTG GAACAGCGTG GGCACATATC	400

(i) SEQUENCE CHARACTERISTICS:

5	(A) LENGTH: 291 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: double (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4423:	
	AAGTTGAGTC GCATAGCTAG TATGAAACGT GGTGTGCGCA TGGGAACTAT CAAGCTTTGA	60
	AGATGTGGTA CTACATGCGT TGAATTAGGG ATCGGTACTT TATATGAAGA CGTGCTGCTT	120
15	CCATTAAATG AGTGATGCGA TTTTGGCATG AAGGTCACCT TAAATGTACA TTGTTGTAAT	180
	AAAATTGCCT ATAAATTTTT AGCACATAAA ATAAGAnGnG CCAACCATTG TTAGACTATA	240
	ACAACGGTTG GCTCTTTAAT TGTAAAAAGA AAACCATACG CTATGGTAGT T	291
20	(2) INFORMATION FOR SEQ ID NO: 4424:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4424:	
	AACTGCCACC ACCTGGGGnC GTTTCCAGAA CCTCTATGCA TTTCAATCAC AGnCAAATGT	60
	GCGGTTGACG TTCAATGACT ACCTGCAATT CATCGGTCAG CTCACACCCT TTACCTGnCT	120
35	AAAGTACCAG TAGACAATGT AGGTATTGGA CTTGCATGAG CATTTTTATn CAGTAATGGG	180
	CTTTAGATAT TTTATTAATA CCGGCCAATC ATGCTATTCA AACCGCCAAT AGCTTTATTA	240
40	GCAACATTTT TACCTAAATC AGCCGCAGCT CTTCCCCATGT CTTTACCAAT ATCTCTAATC	300
40	CAATCATATG TTTTTGCATA GCCATTTTCT AAAACCATTA AATACTGATT TAGCGTTAGA	360
	CCATGCCGAA CTTGAAATTG CATCAAAACG ATCGTGGGCT	400
45	(2) INFORMATION FOR SEQ ID NO: 4425:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 340 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4425:	

	AGATGATAAA AGCAACAGGT GGTTTTGCGA AAAGTGAAGT ATGGCGTCAA ATGATGTCAG	120
	ATATATTIGA CACAGAGTTA GIGGITCCIG AAAGTTAIGA AAGTTCAIGC TTAGGIGCCI	180
5	GCGTGCTCGG ACTTAAAGCT GTAGGTGACA TTGAAGATTT TTCAATCGTT TCATCGATGG	240
	TCGGTGCCAC AAACAATCAT ACGCCGATTG AAGAAAATGC ACTGTTACCA AGAnTCGAAT	300
10	CCATTNTTAT CATTAAGCGT CTTANCAGAG ATATGACAAT	340
, 0	(2) INFORMATION FOR SEQ ID NO: 4426;	
15	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 292 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4426:	
	CTGAAGATGA TAAAGATGCA GATGGTGGCG AGTTGCACGT AACAATTACG GATCATGATG	60
0.5	ATTTCACACT TGATAACGGA TACTTCGANG AATTATCATC AGACAGCGAT TCAGACTCAG	120
25	ATAGTGACTC AGACAGCGAC TCAGACTCAG ACAGCGACTC AGACTCAGAC AGTGATTCAG	180
	ATTCAGACAG CGACTCAGAT TCAGATAGCG ACTCAGATTC GGACAGCGAT TCAGACTCAG	240
30	ATAGCGACTC AGATTCAGAT AGCGATTCAG ACTCAGACAG CGACTCAGAT TC	292
	(2) INFORMATION FOR SEQ ID NO: 4427:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4427:	
	AACAGTGCTC TACCTCCAAT AATCATCACT TGAGGCTAGC CCTAAAGCTA TTTCGGAGAG	60
45	AACCAGCTAT TTCCAGGTTC GATTGGAATT TCTCCGCTAC CCTCAGTTCA TCCGCTCACT	120
	TTTCAACGTA ATCGGTTCGG TCCTCCATTC AGTGTTACCT GAACTTCAAC CTGACCAGGG	180
	TAGATCACCT GGTTTCGGGT CTACGACAAA TACTAAACGG CCCTATTCAG ACTCGGCTTT	240
50	CGCTACGGTT CCCACATTTA CTGGCTAAAC CTTGCATCAA AATCGGTAAC TCGnCGGGTC	300
	ATTCTAn	307
	(2) INFORMATION FOR SEO ID NO: 4428:	

5	<ul><li>(A) LENGTH: 354 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4428:	
10	GACCATACAT CGTCATCGTT TGCACCGTCA AATACTGGTG ATGCAACGTG AATACCAAGA	60
	TTTTTAGCAG CCATACCTAA GTGTAGCTCT AATACTTGTC CGATGTTCAT ACGAGATGGT	120
	ACACCAAGAG GATTTAACAT GGATATCGAT CGGGACGTCC ATCTGGTGAA GTGAAGGCAT	180
15	ATCTTCTTCA GGGAACAATC TTGAGGAAAT GGACACCTTT GTTGACCATG TCGGACCACA	240
	CATGCTTATG CACCAACATG GAATTTTACG TTTTTGGAAn GATGATTATT ACACGTNACT	300
20	AATTGGTTTA CACCAGGTGG ANAATGTTAT CGTCGGCCTT GCTTCACGAT TGGA	354
20	(2) INFORMATION FOR SEQ ID NO: 4429:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4429:	
	GTGnACTATC nGCTTGTCTA TGATAATATT ATTCTTTGTA CTTGTTTAAA AGATATTAGA	60
	CTAAAACTAA AAACAGCAGT AAGATGATTT ATGATTAAAA CTATCTTACT GCTGTTCACT	120
35	TTTTATAATA CTTCTGAATG TCTCACTTAT ACTTCTAGTC ACAGATTTAA ATAATCAAAA	180
	GTGCACATTA TTAAAATATC AATTTCACAC TCAATGCGGC TCATCGCATT CATTTCTTGT	240
40	CTAGCAACGT TCTACTCTAG CGGAACGTAA GTAGCTACCA TCTCGCTAAG GAACTTTCTT	300
	GACCTGGTGA CAACCGCTGC GnCTnTCTCT CTTCGGCTCT CGCTTACTCC ATTTAGCTCC	360
	ACTAAACTCG TGCGGCCCTT CCCGTTCGGC AGATCCAACG	400
45	(2) INFORMATION FOR SEQ ID NO: 4430:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 292 base pairs	
50	<ul><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	

2961

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4430:

	ACCATTCACA CCTTGACAGC CACATAACAT AACTAAGTTT AAGATnGGGG GATAAATCGT	120
	ATCTGAGTTA AACCAATGGT TAATACCCGC ACCCATGATA ATCATTGAAC GCCCTTCAGT	180
5	ATCGATAGCG TTTTGCGCAA ATTCTTTCGC TACTTGAATG ACAACACTTT GTTTTACGCC	240
	TGAAATGGCT TCTTGCCAAG CAGGTGTATA TTTTGATTCT GCATCGTCGT AA	292
10	(2) INFORMATION FOR SEQ ID NO: 4431:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 284 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4431:	
20	TGAGCCGnAC ATCGAGGTGC CAAACCTCCC CGTTCGATGT GAACTCTTGG GGGAGATAAG	60
	CCTGTTATCC CCGGGGTAGC TTTTATCCGT TGAGCGATGG CCCTTCCATG CGGAACCACC	120
25	GGATCACTAA GTCCGTCTTT CGACCCTGCT CGACTTGTAG GTCTCGCATC AAGCTCCCTT	180
25	ATGCCTTTAC ACTCTATGAA TGATTTCCAA CCATTCTGAG GGAACTTTGA GCGCCTCCGT	240
	TACCTTTTAG GAGGCGACCG CCCAGTCAAA CTGCCCGCCT GACA	284
30	(2) INFORMATION FOR SEQ ID NO: 4432:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 312 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4432:	
40	TATCATTGTG GTACGATAAG GCATATGTTG TACCTATGNA TGGTGGAAGA GCCTTCAGTT	60
	GTCGCTGCAG CTAGTTATGG TGCAAAGCTA GTGAATCAGA CTGGCGGATT TAAAACGGTA	120
45	TCTTCTGAAC GTATTATGAT AGGTCAAATC GTCTTTGATG GCGTTGACGn TACTGGAAAA	180
	TTATCAGCAG ACATTAAAGC TTTAGAAAAG CAAATTCATA AAATTGCGGn TGAGGCATAT	240
	CCTTCTATTA AGCGCGTGTG GTGGTTACCA CGTATAGCGA TTGATACATT CCTGGCCACC	300
50	AGITCTATCT TT	312
	(2) INFORMATION FOR SEQ ID NO: 4433:	
	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 288 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4433:	
	CGGTACTCGT TAAGGCTGAG CTGTGATGGG GAGAAGACAT TGAGTCTTCG AGTCGTTGAT	60
10	TTCACACTGC CGAGAAAAGC CTCTAGATAG AAAATAGGTG CCCGTACCGC AAACCGACAC	120
	AGGTAGTCAA GATGAGAATT CTAAGGTGAG CGAGCGAACT CTCGTTAAnG AACTCGGCAA	180
	AATGACCCCG TAACTTCGGG ANAAAGGGTG CTCTTTAAGG TTAACGCCCA GAAGAGCCGC	240
15	AGTGAATAAG CCCAAGCGAC TGTTTTATCC AAAACACAGG TCTCTGCT	288
	(2) INFORMATION FOR SEQ ID NO: 4434:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 336 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4434:	
	GGACCGAACC GACTTACGTT GAAAAGTGAG CGGATGAACT GAGGGTAGCG GAGAAATTCC	60
30	AATCGAACCT GGAGATAGCT GGTTCTCTCn nAAATAGCTT TAGGGCTAGC CTCAAGTGAT	120
	GATTATTGGA GGTAGAGCAC TGTTTGGACG AGGGGCCCCT CTCGGGTTAC CAATTTCAGA	180
	CAAACTCCGA ATGCCAATTA AATTTAACTT GGGAATTCAG AACATGGGTG ATNAAGTCCG	240
35	TGTTTCGAAA GGAAACAGCC CAGACCACCA GCCAAGTCCC AAAATATATG TTTAATGGGA	300
	AAAGGTGTGG CCTTTGCCCA GGACAACCAA GAAGTT	336
40	(2) INFORMATION FOR SEQ ID NO: 4435:	
	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 304 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(b) Totoboot. IInou	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4435:	
50	ATTGACGCCG CATTTTTACG GAATGGGAAT AAAGCGACAC AAACCGTCAC GTCnGTGTTG	60
	GTGTCATGAC AAGGTAATGC GAGTGATCTG ATGTATGGCT TATCATGGCA ATCTGTTATG	120
	GNCTGACTGA TCGGACGATG TATCATTCGC CAATTCGTTT ACTTGTCGTT ATTCAGGCAC	180

	AATCATTGGC TGCGTTTTAA TGAGCGTAAT GAGGAAGGGG CGTTTAAAAA GTTGGATTTA	300
	ACGA	304
5	(2) INFORMATION FOR SEQ ID NO: 4436:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 305 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4436:	
	AATATACTCC GGTAAATAAC CGAAGAGTTT TGAATCATTG TTAAAAATGG AATTANAGTT	60
	CTAGTATCTG TTGGGTTTTG AAATAGGTCA TAGGATAAAA CAAATnGAGA ATTTGTCGCT	120
20	ATTTGTAAAT TGTATCCTGG CTTAAGTTGG CCATTTTTCA TATGGTCTTC CTTCATTCTC	180
	ATAAAAGTTG CATCATGGAT CAGTTTTAGA AAAGCTATTT CTATCTTTAA GAATCGATTT	240
	TTGTTCTTCA TATTTATTTT TTCTTTCGGA ATAATCATCA AATTTATnTT TGGAACTTCT	300
25	TAATC	305
	(2) INFORMATION FOR SEQ ID NO: 4437:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4437:	
	ATCGTTTAAA TCAGTTAGTA AAAAGTCTGT GAGTAAGGGT GTATGGAAAG TGGTTAAATA	60
10	TTATAGAAAA CATCAAAGGA TGTTAAGAAA TACAATTTAT TACCCAGCAT TTAATAATGG	120
	TGCTATAGAA GGAATTAATA ATAAGATAAA ATTAATCAAG TGAATTTCTT TTGGTTACAG	180
	AAATTTCAAC AACTTTAAAG CACGTATAAT GATGATTTTC AGCTTGTACA AGGGGGAAA	240
<b>4</b> 5	AAGGAngnCA ACCAAGCCCA ATAATGGACT GGCCGCCTAA TATTAAAAAC TCTAAAGGTT	300
	GTATTTAAA ATAGTTCTTT AAATTATATA CCCACCACAT TTGGTGGAGA CCCGTTAAC	359
	(2) INFORMATION FOR SEQ ID NO: 4438:	
50	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 286 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4438:	
	ACTTACAGTT ATTTTAACTT GGnCAGAATC CATCATCCAT AAGTTCGAAA TGTTGTAAAA	60
5	CATAAACCTT GnAAACGGCA ACATTTTGG GTCCTTCTCC ATCATTTTAT TTAAAAGCGC	120
	ATTATGATCA ATATCATGCC CAATTAACTT TCCAGCAATT TCCATAGTAT GTTCTGAGGT	180
10	ATTGTTAAAA AGGAATCGCC CAGTATCACC GACGATACCA AGATATAAAA CGCTCGCGAT	240
	ATCTTTATTA ACAATTGCTT CATCATTAAA ATGTGAGATT AAATCG	286
	(2) INFORMATION FOR SEQ ID NO: 4439:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 394 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4439:	
	TCGCTTGACT TCTTTCCTCT CCTTCGGCTC TCGCTTACTC ATTTAnCTCT ACTAAACTCG	60
25	TTGCGCTCTT TTCTCGTTTC GTCAGATTCA AACGTTTTCA CTTCGCCAAG CCATTTTCT	120
	TTGTGTTTAC TTTTTATTTT GACGTTTTAG ACATAAAAA AAGAGACCTT GCGGTCTCAA	180
30	TGCGGCTCAT CGCATCCATT TTTTGCCTGG CAACGTTCTA CTCTAGCGGA ACGTAAGTTG	240
	GCTACCATCG ACGCTAAGAA CCTLTCTTGA CTTGTGACAA aTCGCTTGCT TCTTTCCTCn	300
	TCTTCGGTCT CGCTTACTCA TTTAGCTCTA CTAAACTCGT TGCGCTCTTT TCTCGTTTCG	360
35	TCAGATTCAA CAGTTTTCAT TCGCCAAGCC ATTT	394
	(2) INFORMATION FOR SEQ ID NO: 4440:	
<b>1</b> 0	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 295 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4440:	
	TAATAGGTTC GAGGTGGAAG CATGGTGACA TTGGCAGCTG ACGAATACTA ATCGATCGAA	60
50	GACTTAATCA AAATAAATGT TTTGCGACAA TGCAACTTTT ACTTACTATC TAGTTTTGAA	120
	TGTATAAATT ACATTCATAT GTCTGGTGAC TATAGCAAGG AGGTCACACC TGTTCCCATG	180

	TAGAACGTTG CCAGGCAAAA AATGGATGCG ATGACCGCAT TGAGACCGCA GCnTn	295
	(2) INFORMATION FOR SEQ ID NO: 4441:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 345 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4441:	
15	TTTCATAAAA AGATTTCAAA CGCGTTCATC AANCCTCGTC GCAGGTCTTT CGAACACTAG	60
	CGATTATTTC tTATGAATTC AAGCTTATTT AAAACTCTTT ATTCACTCGG TTTTGCTTGG	120
	TAAAATCTAT ATTTTACTTA CTTATCTAGT TTTCAATGTA CAATTTCTTT TTAGTCAAGC	180
20	GCTCGCATAC TGCTTTATTT TCATAAGCAA TATCACTTTA ACCAAAAAAT ATTTGAATGT	240
	TAAATAAACA TTCAAAACTG AATACAATAT GTCACGTTAT TCCGCATCTT CTGAAGAAGA	300
	TGTTCCGAAT ATATCCTTAG AAAGGAGGTG ATCCnGCCGn ACCTT	345
25	(2) INFORMATION FOR SEQ ID NO: 4442:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 313 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4442:	
	AATCATTGTC AAAACTACGT TCTGGTAAAC AAGGACAACC CGTTTGAACC ATTGGCCCAC	<b>6</b> 0
	ACCATTIGAT AGGCAGNCAT GTGCGCAATG GACATCCACA TAGTTGCGTA ATGTTTCATA	120
40	CGTCATTGCT CAAATCATTC ATGACTAGCG CAACATGATT ACCTTGTCGT GnGCACCTTC	180
	ATTAAAGnAA CTTATGATAG ATTTATTTCC CGGGACATTA AGCATTCGCA TCGTTAACAT	240
	GCGTATTGCA CCCAATTTAG AAGTTCCTCC GTGCCGTTTG GTATATCACA AATTTGTAGT	300
45	GTATCTTGGA TGC	313
	(2) INFORMATION FOR SEQ ID NO: 4443:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 336 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4443:	
	AGCATGGTGT ITCTCAGATT GTCGGATGTA TAAATGTGTA TGTTATGTTT TAATTTTTCC	60
5	CAGTCTTTAA AAATAGATTG TTTATTTTTA GAATTATTTT TGAATAATTG AATTGCTTTG	120
	TAGCCAAAAT ATGACGTTCG ATTATCATTC AAACGCATAT AAAGCGTATC TnCTGCCTCA	180
	TTGTCAGTGA GATGAAATAA TGTGCTCGGG GTCTAGTGAC TGTGGATAAT TTCACTTCAA	240
10	CTGAAACCCC ATTCCCTTTG AGCTGCCCAT ATATCTCTTT GGACAATATC GGTCCCTCTA	300
	ATACGGnCCG TAGnCCATTC CATTTCAATT CTTTTC	336
15	(2) INFORMATION FOR SEQ ID NO: 4444:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 400 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4444:	
25	CAGACTGGGA TATTTATAAA ACGTTGGCAA AAGCATTTTC AGAAATGGCA AAAGACTATT	60
	TACCTGGAAC GTTTAAAGAT GTTGTGACAA CTCCACTTAG TCATGATACA AAGCAAGAAA	120
30	TTTCAACACC ATACGGCGTA GTGAAAGATT GGTCGAAGGG TGAAATTGAA GCGGTACCTG	180
,,	GACGTACAAT GCCTAACTTT GCAATTGTAG AACGCGACTA CACTAAAATT TACGACAAAT	240
	ATGTCACGCT TGGGCCTGTA CTTGAAAAAA GGGGAAATTT GGAGCACCTG GGGGTAAGTT	300
35	TCCGTGTCCA GTTGAACCAT TATGGAGGAN TTNAAAAAGT ATGTTAAGGG ACCTGGGAGT	360
	TGAATACCCA ATGGATnGAT TCCCGTGAAG AGCCGAATCC	400
	(2) INFORMATION FOR SEQ ID NO: 4445:	
40 45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 339 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4445:	
5 <b>0</b>	TACGCCCACG ACGGATAGGG ACCGAACTGT CTCACGACGT TCTGAACCCA GCTCGCGTAC	60
	CGCTTGTAAT GGGCGAACAG CNATCGCCTT GGGACCGACT ACAGCCCCAG GATGCGATGA	120
	GCCGACATCG AGGTGCCAAA CCTCCCCGTC GATGTGAACT CTTGGGGGAG ATAAGCCTGT	180

	CACTAAGTCC GTGCTTTCGA CCCTGACTAC GGACTTGTnA GGTCTGCGGC ATTCAAGCTT	300
	CCCTTGATGG CCTTTGACAC TGCTTATGGA ATGNATTTG	339
5	(2) INFORMATION FOR SEQ ID NO: 4446:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4446:	
	CAATTTTAAG TGTTGAAAAT GTCACTTTTA AACTTTCTAG TTTTATCTTT AATAAACATG	60
	CCATnCGTAA TAAGTGGCGT TTTATTAAAA TCATCTATAA TAGCCATATA GTTTTGCTCA	120
20	CTACCATAAC CTGCATCAGC TACAATATAC TCCGGTAAAT AACCGAAGGA TnTTTGGAAT	180
	CATTGTTAAA AATGGAATTG AAAGTTCTAG TATCTGTTGG GTTTTGAAAT AGGTCATAGG	240
	ATAAAACAGG GTGAGAATTT GTCGCTATTT GTAAATTGTA TCCTGGCTTA AGTTGGCCAT	300
25	TTTTnCATAG GTCTTCCT	318
	(2) INFORMATION FOR SEQ ID NO: 4447:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4447:	
	TTTTGAAATT CTCTATGTTG GGGCCCGGAC TATAATTGAA AAATGCTTGT TACAAGTGCA	60
40	TTTTATTTCA GTCAACTACT AACAATATAA CATTGTGGAG CCCAGAnCTT TGATTAATGT	120
	ATATGAAAAT CAAAGTAATG CTTATGTATG ATTATTTCAA ATATTTTACA TACATGAACT	180
45	TTTCCAATGT ACGATACTAT TATTATAAAG CGCTCGCTAA GATTTTACGA TGATTAGAGG	240
43	GTAAAAAATG AACGATCAAT GGTnTAACCA TTTAATTGG	279
	(2) INFORMATION FOR SEQ ID NO: 4448:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 302 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4448:	
	GACACCGGCA TTCTCACTTT CTAAGCGCTC CACATGTCCT TACGATCATG CTTCAACGCC	60
5	CTTAGAACGC TCTCCTACCA TTGTCCAAAG GACAATCCAC AGCTTCGGTA ATATGTTTAG	120
	CCCCGGTACA TTTTCGGCGC AGTGTCACTC GACTAGTGAG CTATTACGCA CTCTTTAAAT	180
	GATGGCTGCT TCTAAGCCAA CATCCTAGTT GTCTGGGGCA ACGnCACATC CTTTTCCACT	240
10	TAACATATAT TTTGGGACCT TTAGCTGGTG GTCTmGGGCT GTTTTCTGnA TTGAACACGG	300
	GA	302
15	(2) INFORMATION FOR SEQ ID NO: 4449:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 359 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4449:	
25	CGTTGGTATA TAGAGGGCAA CCGTCACCTG ATAAAATGTG GACACAGTTT TTACAAGAGG	60
	TTAAGGAAAT GAGTTTGGAG GCATACGAGC ATCAAGAATA CCCATTCGAA TGTTTAGTAA	120
	ATGACTTAGA TCAATCACAT GATGCCTCAC GGAATCCATT ATTTGATGTC ATGTTAGTAC	180
30	TACAAAACAA TGARACGAAA TCATGCTCAT TTTGGGCATA GTAAATTTAA CACACATTCA	240
	ACCCCAAATC AGTGACGGGC GGAAATTTGG ATTTnTCCTT TTCCATCATT GGAAGAAGGA	300
35	TCGCGGATGA CCTAATAnCA ATCCAATTAT CGGGGTATAA ATACCGGATT TTATAACCA	359
	(2) INFORMATION FOR SEQ ID NO: 4450:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4450:	
	GATGACAAAA TTTGCTTGAA AACCGAAATG GATGGTCATC ATTGACTGNA TCAAGGTACA	60
	TCATTCTTTG GTGCTTATGC ATTTAGACAT TATACAAAAA CAATACTTTT ATAGGGCAAC	120
50	CTTATGGGGT TCTATCGGCT ATACATTACC TGCAACATTA GGTTCACAAT TAGCAGACAA	180
	AGATCGTCGn TAACTTATTA TTAATTGGTG ATGGCTCATT GCCAACTAAC TGTTCAAGCT	240

	GCTATACGGT AGAACGACTT ATTCCC	326
	(2) INFORMATION FOR SEQ ID NO: 4451:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 381 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4451:	
15	GAAAACATCA AAGGATGTTA AGAAATACAA TTTATTACCC AGCATTTAAT AATGGTGCTA	60
,5	TAGAAGGAAT TAATAATAAG ATAAAATTAA TCAAGTGAAT TTCTTTTGGT TACAGAAATT	120
	TCAACAACTT TAAAGCACGT ATAATGATGA TTTTCAGCTT GTACAAAGGA GANAAAAAGA	180
20	AGACAACCAA GCCCAATAAT GGACTGGCCG CCTAATAATA AAAACTCTAA AAGTTGTATT	240
	TTAAAAATAG GTCTTTAAAT TATATACCCC CCCCATTTGG GTGGAGAACC GGTAAACCAT	300
	GCCTAGGTGC CTAACCTCCn ATAATGGnAC CCCTCCTTAC CATTTGGGCC ATGGGGCCAA	360
25	TAAAGCGGGG GGCAATTGGG G	381
	(2) INFORMATION FOR SEQ ID NO: 4452:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 276 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4452:	
	TTAATAACTT AATCTATGTT TCCATCCTAC AGGAAACGCG TTATTAATCT TGTGAGTGTT	60
40	CTTTCGAACA CTAGCGATTA TTTCTTATGA ATTCAAGCTT ATTTAAAACT CTTTATTCAC	120
	TCGGTTTTGC TTGGTAAAAT CTATATTTTA CTTACTTATC TAGTTTTCAA TGTACAATTT	180
45	CTTTTTAGTC AAGCGCTCGC ATAAGCAATA TCACTTTAAC CAAAAAATAT TTGAATGTTA	240
	AATAAACATT CAAAACTGAA TACAATATGT CACATn	276
	(2) INFORMATION FOR SEQ ID NO: 4453:	
50	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 341 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4453:	
	GGCGAAACCG CGTAGCGTTT TTTAAGTCTG ATGTGAAAGC CCACGGTCAA CCGGGAGGGT	60
5	CATTGGAAAC TGGAAAACTT GAGTGCAGAA GAGGAAAGTG GAATTCCATG TGTAGCGGTG	120
	AAATGCGCAG AGATATGGAG GAACACCAGT GAGCGAAGCG ACTTTCTGGT CTGTAACTGA	180
	CGCTGATGTG CGAAACGTGG GGGATCAAAC AGGATTAGAT ACCCTGGTGA GTCCACGCCG	240
10	TAAACGATGA nTGCTAAATG TTAGGGGGTT TCCGCCCCTT AGTGGCTGCC AGCTANACGC	300
	ATTGAAGCAC TGCCGCCTGG GGAGTGACGA CCGCAAnTTG A	341
15	(2) INFORMATION FOR SEQ ID NO: 4454:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 281 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4454:	
25	ACRCTCCCCA AAGTCATATC GTCGTTAGTA ACGTCCTTCA TCGGCTTCTA GTGRCCAAGG	60
	CATCCACCGT GCGCCCTTAA TAACTTAATC TATGTTTCCA CCATTTTTAT AAGTCAAACG	120
30	CTCACATACG GCTTCGTTTT CATTATTTTA AATGCTCATT TACATAAGTA AACTCTGCTT	180
	TAAAATAATT TAACTCATTG TCTGCTAAAC GTTTTCTTTT ATAAAAAGAT TTAAACGCGT	240
	TATTAATCTT GTGAGTGTTC TTTCGAACAC TAGCGATTAT G	281
35	(2) INFORMATION FOR SEQ ID NO: 4455:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4455:	
45	ATGTCTTCAC TTATACTTCT AGTCACAGAT TTAAATAATC AAAAGTGCAC ATTATTAAAA	60
	TATCAATTTC ACACTCAATG CGGCTCATCG CATTCATTTC TTGTCTAGCA ACGTTCTACT	120
	CTAGCGGAAC GTAAGTTAGC TACCATCCTC GCTAAGAACC TTTCTTGACT TGTGACAATC	180
50	GCTTGCnTCT TTCCTCTCT TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG	240
	COUTCITTTC TOGETTOGIC AGATTCAAAC GITTTChGT	240

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 275 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4456:	
10	ATTTTGACGT TTTAGGCATA AAAAAAAGAG ACCTTGCGGT CTCAATGCGG CTCATCGCAT	60
	CCATTTTTG CCTGGCAACG TTCTACTCTA GCGGAACGTA AGTTGGCTAC CATCGTCGCT	120
15	AAAGACCTTT CTTGACTTGT GACAATCGCT TGCTTCTTTC CTCTCCTTCG GCTCTCGCTT	180
	ACTCATTTAG CTCTACTAAA CTCGTTGCGC TCTTTTCTCG TnTCGTCAGA TTCAAACGTT	240
	nTCACTTCGC CAAGCCATTT TTCTTGTGTT TACTT	275
20	(2) INFORMATION FOR SEQ ID NO: 4457:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4457:	
30	ATCCGATTCA CAAAGCACAT CATCATATAC AAGTCAGTCA ACAAGCCAAA GTGAATCCAC	60
	ATCGACATCA ACGTCACTAA GCGATTCAAC AAGTATATCT AAAAGTACGA GTCAATCAGG	120
35	TTCGGTAAGC ACATCAGCGT CATTAAGTGG TTCAGAGAGT GAATCTGATT CACAAAGTAT	180
	CTCAACAAGT GCAAGTGAGT CAACATCAGA AAGTGCGTCA ACATCACTCA GTGACTCAAC	240
	AAGTACAAGT AACTCAGGAT CAGCAAGTAC GTCAACATCG CTCAGTAACT CAGCAAGCGC	300
40	ANTGGAATCC GATTTGTCGT CAACATCTTT AAGTGGATTC AACATCTGCG TCNATGCCAA	360
	AGNNGTGAAT CCGATTCACA AAGCACATCA GCATCCTTAA	400
	(2) INFORMATION FOR SEQ ID NO: 4458:	
<i>45 50</i>	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 351 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

2972

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4458:

	AGTCGCTGTC TGAATCTGAA TCACTGTCTG AATCCGAATC GCTATCTGAT TCTGAGTCGC	120
	TATCTGAACC TGAGTCGCTG TCTGAGCCTG AGTCACTGTC TGAATCCGAA TCCGGATCCG	180
5	GGTCTGGGGn TGGTTCCGGT TCTGGGTCTG GGACTTGGTT CTGGATCTGG CGTTGGTTCT	240
	GGGTCTGGGG TCTGGACTGG TTCTGGGGTC AAACGGCGGC CCTGGAGTGG GGTCTTTCGG	300
	AATnAACGGC GGAATCACCA TCAAGCAACT TnCAACAACC ATAACGAAAA A	351
10	(2) INFORMATION FOR SEQ ID NO: 4459:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 271 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
20	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4459:	
	ATCCTGCAGT TGATCAGTAT GGTGATATTA ATTTAGTTAA TACGAACGCG TCATCTACAA	60
	GTGAAATCAT TTACGATTTA ATCTCACATT TTAATGATGA AGCAATTGTT AATAAAGATA	120
25	TCGCGAGCGT TTTATATCTT GGTATCGTCG GTGATACTGG GCGATTCCTT TTThACAATA	180
	CCTCAGAACA TACTATGGAA ATTGCTGGAA AGTTAATTGG GCATGATATT GATCATAATG	240
30	CGCTTTTAAA TAAAATGATG GAGAAGGnCC C	271
J <b>0</b>	(2) INFORMATION FOR SEQ ID NO: 4460:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 283 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4460:	
	ACTGTGGATT AATATTATGC CTGGCAACGT TCTACTCTAG CGGAACGTAA GTTCGACTAC	60
	CATCGACGCT AAGGAGCTTA ACTTCTGTGT TCGGCATGGG AACAGGTGTG ACCTCCTTGC	120
45	TATAGTCACC AGACATATGA ATGTAATTTA TACATTCAAA ACTAGATAGT AAGTAAAAGT	180
	GATTITGCTT CGCAnaaCat TTATTITGAT TAAGTCTTCG ATCGATTAGT ATTCGTCAGC	240
50	GCCACATGTC ACCATGCTTC CACCTCGAAC CTATNAACCT CAG	283
	(2) INFORMATION FOR SEQ ID NO: 4461:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 274 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4461:	
	CTTCTACAAG TCCTGAATAT ACTTATGAAT CTCTTCTTTC GTGTATGCAA ACTGACGTTG	60
	TAATTTAAAT AACGTCTCAT CTTTCCATTG CGAATCTTGA TATTGTATAT TTTCAAAATC	120
10	AAAGTCAACT TTATGGTTAT CAATCCACGC TTTATATGGT AATTCTCCAG CAATCGCACC	180
	TTTTAAATCA TTATTTTCAA TGACTTTATT CTGTTAAAAT CAACAAnCAT AACTTTCCnG	240
15	GATTCAATIG ACCTTTAAAA GCAACATTAC TTCC	274
	(2) INFORMATION FOR SEQ ID NO: 4462:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 271 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4462:	
	GGCTGCTAAA AATCTTGGTA TTCACGTTGC ATCACCAGTA TTTGACGGTG CAAACGATGA	60
30	CGATGTATGG TCAACAATTG AAGAAGCTGG TATGGCTCGT GATGGTAAAA CTGTACTTTA	120
	TGATGGACGT ACAGGTGAAC CATTCGATAA CCGTATTTCA GTAGGTGTAA TGTACATGTT	180
	GAAACTTGCG CACATGGTTG ATGATAAATT ACATGCGCGT TCAACAGGAC CATATTCACT	240
35	TGnTACACAA CAACCACTTG GCGGTnAAGC G	271
	(2) INFORMATION FOR SEQ ID NO: 4463:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 300 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4463:	
	GCGGCTCATC GCATTCATTT CTTGTCTAGC AACGTTCTAC TCTAGCGGAA CGTAATTAGC	60
	TACCATCCTC GCTAAGAACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTCCT	120
50	TCGGCTCTCG CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC	180
	AGATTCAAAC GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTAnTTTGAC	240

	(2) INFORMATION FOR SEQ ID NO: 4464:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 361 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4464:	
	TACCGAATCG AAGCCCCAGT AAACGGCGGC CGTAACTATA ACGGTCCTAA GGTAGCGAAA	60
15	TTCCTTGTCG GGTAAGTTCC GACCCGCACG AAAGGCGTAA CGATTTGGGC ACTGTCTCAA	120
	CGAGAGACTC GGTGAAATCA TAGTACCTGT GAAGATGCAG GTTACCCGCG GACAGGACGG	180
	GAAAGACCCC GTGGGAGCTT TTACTGGTTA GCCTGGATAT TGGAAATTCG GGCACACTTG	240
20	GTTACAGGAT AGGTAAGGAG CCTTTTGGAA ACGTTGAGCG CTACTTTAnG TTGGGAGGCG	300
	CTGGTnGGGA TACTTACCCT AACTGTGTTT GGCTTTTCTn AACCGGCACC ACTTATCCTG	360
	G	361
25	(2) INFORMATION FOR SEQ ID NO: 4465:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 292 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4465:	
	CTGTATGTAC ACCACCAATC GGTTTAGGTT TAGCAACGTT TGTTCAAAAG TATAAATTCA	60
	ATCATTCCGA AAGAGAAATG GGTAAGGCTT CCTTCACTAT GGGACTATTT GGTATTACTG	120
40	AAGGTGCTAT TCCTTTCGCA GCCCAAGATC CATTGCGCAT TATACCTGCA AACATCATTG	180
	GTGCAATGAT TGCATCAGTC ATTGCAGCCA TTGGTGGTGT CGGCGATAGA GTCGCACATG	240
15	GnGGTCCCAA TCGTGGCTGT ATTAGGTGGG TTTTTGTTTT TTTTTTTTT TT	292
45	(2) INFORMATION FOR SEQ ID NO: 4466:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 308 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	GCAAACAAAA CAGTATTAGT AGATTATGAA AAATATGGTA AGTTTTATAA CTTATCTATT	60
	AAAGGTACAA TTGACCAAAT CGATAAAACA AATAATACGT ATCGTCAGAC AATTTATGTC	120
5	AATCCAAGTG GAGATAACGT TATTGCGCCG GTTTTAACAG GTAATTTAAA ACCAAATACG	180
	GATAGTAATG CATTAANAGA TCAGCAAAAT ACAAGTATTA AAGTATATAA AAGTAGATAA	240
	TGCCnCTGAT TTATCTGAAA GTTACTTTGT GGAATCCCGG AAACCTTGAG GGTGGCCCCT	300
10	AATAnTGG	308
	(2) INFORMATION FOR SEQ ID NO: 4467:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 271 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
2 <b>0</b>		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4467:	
	AAGCAGGCGC TCTCCCAGCT GAGCTAAGCC CCCATAATAA TTACAGTATA TCGGGAAGAC	60
25	AGGATTCGAA CCTGnGACCC CTTGGTCCCA AACCAAGTGC TCTACCAAGC TGAGCTACTT	120
	CCCGTATAAT TAANGCGCCC GATAGGAGTC GAACCCATAA CCTCTTGATC CGTAGTCAAA	180
3 <i>0</i>	CGCTCTATCC AATTGAGCTA CGGGCGCATA TGTTTTTATT GAAAATAGTG CCGAGGACCG	240
	GAATCGAACC GGTACGTGAT CACTCACCGC A	271
	(2) INFORMATION FOR SEQ ID NO: 4468:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 306 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4468:	
	TGTGTTAGGT ATTACATCAT CACATTTATC TGCGTCAAAG TCCAGCTGTC GATAAAGTTG	60
45	TAAACTGTAA AAACGCAATT TCTGAATTAG AAAATGATAA ACGTAAAGCA GTAAGTGCTG	120
	AAGANTATAA AAAAGCTGAC GACATTCAAA ATGAAATCAA ATCATTACAA GATAAATTAG	180
50	AAAATAGTAA TGGTGAACAT ACTGCTGTTG CTACAGTTCA TGATATTTCA GATACTATTC	240
	AACGATTAAC TGGTATTCCA GTTTCTCAAA THGATGATAA CGNTATTGAA CGTTTAAAAA	300
	ATATTT	306

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 329 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4469:	
10	GGTTTATTAA CAGCATTCTT ATCAGCATTT GTAACTGTTA TTGTTTATAA CTTCTGTGTG	60
	AAGCGCAATA TTACAATTAA AATGCCGAAA GAAGTACCGC CGAATATTTC ACAAGTATTT	120
15	AAGGACTTAA TTCCATTTTC AGCGGTAATC ATCATTCTTT ATGCATTAGA TTTAGTCATT	180
, 5	CGCAACAGCT TTAAATCAAA TGTAGCGGAA GGTATTTTAA AATTATTCGA ACCATTATTT	240
	ACAGCAGCAG ATGGATGGGT TGGTGGTCAC CATTTAACnT TGGGnGCnTT TGCATTAATC	300
20	CTGGGTTTGT AGGGTAATCC ATGGGTCCG	329
	(2) INFORMATION FOR SEQ ID NO: 4470:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4470:	
	AACTGGGTGA TAAGGTCCTG TTCGAAAGGA AACAGCCCAG ACCACCAGCT AAGGTCCCAA	60
35	AATATATGTT AAGTGGAAAA GGATGTGGCG TTGCCCAGAC AACTAGGATG TTGGCTTAGA	120
	AGCAGCCATC ATTTAAAGAG TGCGTAATAG CTCACTAGTC GAGTGACACT GCGCCGAAAA	180
	TGTACCGGGG CTAAACATAT TACCGAAGCT GTGGATTGTC CTTGGACAAT GGTAGGAGAG	240
40	CTTCTAAGGA CTTGAAGCTG ATCGTAAGAC TGTGGAGCGn TAGAATGAGA TGCCGTGTGA	300
	TAGNAAAGAC GGTGAGATCC CTCCACCGTT GACTAAGTTC CAGAGGAAGC TCTCCGTCGG	360
	GTTATCCGGT CCTAAGnGAG GCCGACAGCT AGGCATGGnT	400
45	(2) INFORMATION FOR SEQ ID NO: 4471:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	TCATTTTAG AAATATTATC TTTTCCACAA ATCATTTGAT ATAAAGTGCG ATCATTTGCC	60
	GCGAGTGCTG CCATTGACAC TAGCTGTTGC GTATCATTTT TGGCTAGCAC TTCGGGATAC	120
5	TTTCTTAGCT GAACAGTTAG ATGACCTAAT TGATCTTTGA AAATATCATT ATCTTGACCC	180
	ATATATGACC ACCAAGCTGT TTCATCACAA ACCATGACAT ACTTAGCTAG TGCTTCATCT	240
	TTTTCTATAA GCTGACGTAA TAATTGTCTG CTTGTCCTCC GTTTTnCATG TACCGCGAGG	300
10	CGTAAnCTTA AAGGGCCCAA GGnCG	325
	(2) INFORMATION FOR SEQ ID NO: 4472:	
15	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 276 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
20		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4472:	
	CCCGTCTTTC GCTACTCACA CCGGCATTCT CACTTCTAAG CGCTCCACAT GTCCTTACGA	60
25	TCATGCTTCA ACGCCCTTAG AACGCTCTCC TACCATTGTC CAAAGGACAA TCCACAGCTT	120
	CGGTAATATG TTTAGCCCGG TACATTTTCG GGGGCAGTGT CACTCGACTA GTGAGCTATT	180
20	ACGCACTCTT TAAATGATGG GCTGCTTCTA AGnCAACATC CTAGTTGGTC TGGGGCAACG	240
30	CCACATCCTT TTTCCACTTT AACANATATT TTGGGA	276
	(2) INFORMATION FOR SEQ ID NO: 4473:	
35	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 333 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4473:	
	AATTTnCCAA AAAATTCAAA TGGCTCATTT ACCAAAAGGT AAACCTCCGC CTTTAAnTTT	60
15	CTTAATGCAT kGTCTAACAA cCGCTTTCTT TAAAAGAATA GATTGTCAAG CGCTCGCATA	120
	AGCAATATCA CTTTAACCAA AAAATATTTG AATGTTAAAT AAACATTCAA AACTGAATAC	180
50	AATATGTCAC GTTATTCCGC ATCTTCTGAA GAAGATGTTC CGAATATATC CTTAGAAAGG	240
	AGGTGATCCA GCCGCACCTT CCGATACGGC TACCTLGTTA CGACTTCACC CCAATNCATT	300
	TGTCCCACCT TCGACGGGCT AGCTCCGAAA AGG	333

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 325 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4474:	
10	TATAAAATAG CAACGTTATT CCAATTATCT TAATGGTTAT CTTATCCTCA ACTAAATTGG	60
	AGGAATCACT ATGACAATTA ATAAAGTAAC CGTTCTTGGC GCAGGCACAA TGGGCGCTCA	120
15	ACTGGCAGCA CTTTTTGTGA ATGCTGGACT TAAAGTAANA CTATTAGATA TTGTAGTGGA	180
	CAAAAACGAT CCnAATCTCA TTGCGAAAAA ATCTTACGGT TAAATTACAG GTAAGAAACG	240
	GCCGCTACTA TTCGnCTTAA ATCTAGCGGT CATTTACCAT ATGGTATTTT GATGTGCTTG	300
20	GTAAATGTGT GCTGTTTGAT ATCGA	325
	(2) INFORMATION FOR SEQ ID NO: 4475:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 30B base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4475:	
	TAACTGCGGC AACATTTGCT TGTTTTGGTT ATGGTTGGCA CATTGATGTC GGCATTCATA	60
35	CAATACATCT AGTATTATCT GGTATTTTTG ATCGTTATCC AAAGTTAAAT AATGATTATT	120
	GGACATTGGG GTGAGTTTAT CCCATTCTTC TTAGAAACGT ATGGATGAAG CTTATTCGCT	180
	GACATTTNAC CACCCTGTAA GCTATACTTT AAAAATAATT TTTAATCACA CCGAGTGGCA	240
40	TGTTAACGAG CCACAGTTTG ATTTAGTCAA GAAGNAGAGG TATTGTAGAN TCTTATGCGC	300
	TGATATCC	308
	(2) INFORMATION FOR SEQ ID NO: 4476:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 280 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4476:	

	CCTACCTATC CTGTACAAGC TGTGCCGAAT ThCAATATCA GGCTACAGTA AAGCTCCACG	120
ē	GGGTCTTTCC GTTCCTGTCG CGGGTAACCT GCATCTTCAC AGGTACTATG ATTTCACCGA	180
5	GTCTCTCGTT GAGACAGTGC CCAAATCGTT ACGCCTTTCG TGCGGGTCGG AACTTACnCG	240
	ACAAGGAATT TCGCTACCTT TAGGACCGTT ATAGTTACGG	280
10	(2) INFORMATION FOR SEQ ID NO: 4477:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 279 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4477:	
20	GCTAAGAACC TTTCTTGACT TGTGACAATC GCTTGCTTCT TTCCTCTCCT TCGGCTCTCG	60
	CTTACTCATT TAGCTCTACT AAACTCGTTG CGCTCTTTTC TCGTTTCGTC AGATTCAAAC	120
25	GTTTTCACTT CGCCAAGCCA TTTTTCTTTG TGTTTACTTT TTATTTTGAC GTTTTAGACA	180
	TAAAAAAAGA GACCTCACGG nCTCAACTTG CCTGGCAACG TTCTACTCTA GCGGAACGTA	240
	ATTGGGCTAC CATCGnCGCT AAAGACCTTT CTTGACTTG	279
30	(2) INFORMATION FOR SEQ ID NO: 4478:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 272 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4478:	
	GAGGATCCCG GAATGTTGAA CCCATCACTG ATTCTGGTTC ATAATTATCC ATCATCCATA	60
	ACGTTAAATC TAAAGCGTGT GTACCGATAT CGATTAATGG TCCTCCACCT TGAGCTTCTT	120
45	CGTCTAGAAA GACACCCCAT GTTGGnACTG CTCGACGACG AATGGCATGT GCCTTTCCGA	180
	AGTAAATGTC TCCTAAGTCG CCACGTTGCG CTGCTTGATG TAAAAATTGA CTATCTGCTC	240
50	GGANACGATT TTGATAACCT ATTGTTAATT TT	272
50	(2) INFORMATION FOR SEQ ID NO: 4479:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 265 base pairs</li></ul>	
55	(B) TYPE: nucleic acid (C) STRANDEDNESS: double	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4479:	
	GAAATTGGGA ATCCAATTTT nCTTTGTTGG CGCCCATCCC CAACTTGCAC ATTATTGTAA	60
5	GCTGACTTTT CGTCnCTTAC TGTGTTGGGG CCCTCACCCC AACTCGCATT GCCTGGTAGA	120
	ATTTCTTTTC GAAATTCTCT GTGTTGGGGC CCCTGACTAG AATTGAAAAA AGCTTGTTAC	180
	AAGCGCATTT TCGTTCAGTC AACTACTGCC AATATAACTT CGTAGAGCAT AGAATATTGA	240
10	TTTATGTCCC AGCCTGAGTT AATTT	265
	(2) INFORMATION FOR SEQ ID NO: 4480:	
15 20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 343 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4480:	
	ACATAGAAAT GCCACTTTTA CAAACAAATG AATATTCGTC TTTTTACATC ATTACGCATA	60
25	ATAAAAGAAG CTAAGCAACA TGTAAACCGT TGTCACTTAA CTTCTTGTTT TTCCGATGAC	120
	AGCTTCTATT TAGAGAATGT CATGATTATT TTATATTCAC TTCAATGTTA TCAATATTAG	180
30	TGCCATCTAT GACGTCTGCC ATACGATGCT CTGGCAGTTT TTTGGTGGTA ATTCAAACGT	240
	ATATTCCCAC CGTTTTCATT TAATAACGTT GTCCnGGACC CATGTACCGT AAGATATGTT	300
	TTCATAGTGG TTCCAATTAA ACCANTCTTC AGGAACCTCn TAG	343
35	(2) INFORMATION FOR SEQ ID NO: 4481:	
40	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 288 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4481:	
45	ACTGCGGCAA TAGCAGCAGC ACCACAAACG GCCTGTGTCC GGACACCTAG GTAATAATGC	60
	GCATGTTTT GTCACCATGC CAACAGTTTG TTGACAAAGA GCATCATTAC AATACTGGAA	120
50	AATAACGACA CCTACATCGA TGGCTAATAG TTTACTACCT TGACCGATAA TATCGAATAT	180
	ATTGAGTTTA AGTCCATATA GGATGATTGC AAATCTTAAT AAATATTTAG ATGAAAACGT	240

	(2) INFORMATION FOR SEQ ID NO: 4482:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 289 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4482:	
	GAGGCATCCC CGGGCCTTCC TTCCCAACAG TCGCTTCAAA GTTTGGTGGT AAACCTGnTA	60
15	CATCAAATTA TCGGTGCTAC TGTMAGGTAC GTGTAATCTT CGCTATTTTA TTAGCCGTAT	120
	CACATCAAGT GGCTTCCCTA CTGGAACCAA TTTGCTATTC GCCTTATTAT CAGGTGCAGG	180
	ATGGGGATTC GGACAAATCA TTACATTTAA AGCGTTCGAA TTAGTCGGCT CATCTCGTGG	240
20	CCATGCCAGT CACAACAGCA TTCCAATTAT TAGGCGCATC TTTATGGGG	289
	(2) INFORMATION FOR SEQ ID NO: 4483:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 264 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4483:	
	AATCAAAAGT GCACATTATT AAAATATCAA TTTCACACTC AATGCGGCTC ATCGCATTCA	60
35	TITCTTGTCT AGCAACGTTC TACTCTAGCG GAACGTAAGT TAGCTACCAT CCTCGCTAAG	120
	AACCTTTCTT GACTTGTGAC AATCGCTTGC TTCTTTCCTC TCCTTCGGCT CTCGCTTACT	180
	CATTTAGCTC TACTAAACTC GTTGCGCTCT TITCTCGTTT CGTCAGATTC AAACGTTTnC	240
40	ACTTCGCCAA GnCATTTTC TTTG	264
	(2) INFORMATION FOR SEQ ID NO: 4484:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 261 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4484:	
5.5	CTGTACCACC TATAATCGTT TTAATCGATT GGGGGACGCA TAGGATAGGC GANGTGGCGA	60
55		

	TGAGCTGTGA TGGGGAGAAG ACATTGTGTC TTCGAGTCGT TGATTTCACA CTGCCGAGAA	180
	nAAGCCTCTA GATAGAAAAA GGTGCCCGTA CCGCAAACCG ACACAGGTAG TCAAGATGAG	240
5	AATTCTAAGG TGAGCGAGCG A	261
	(2) INFORMATION FOR SEQ ID NO: 4485:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 261 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4485:	
20	ATGCAGCTAT TATTTTTGAC AGAITCCATA TCGTTCAACA TTTAAATAGA GAACTTAATA	60
20	AGTATCGTGT ACAAGTTATG AATGAATACC GTAATAAAAA AGGACCTGAT TATACAATTT	120
	TTAAGAATAA CTGGAAAGTC CTATTGATGG ATACTAGTAA AACCATATTT AGTAAATACA	180
25	GATGGANTAA ATCTTTTAAG GCTTATAAAC GCTCATCTGA CATTGTAGAN GTCATGCTTT	240
	CAAAAGACGA TATACTACGA C	261
	(2) INFORMATION FOR SEQ ID NO: 4486:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 260 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4486:	
40	AGCAACATGA TGCACTTCTC GTGTCTCACC AGATTTAGCG ACTAAACTTG TAGACATACG	60
	TAAATCTGCT TTAATAAGTA ATTMATGCAC ATGACTTATT GCGAGTAACA TCGGCATTGC	120
	AAAGCCATTG CTATCAACTA ATCCACTATC ATCTAACACT AGAnTTTGAG CGCCTTGCTT	180
45	TACAGCATTC ACTGCTTCTC GGCCTAATGC TTCTAACGCA TCTTCCAAAT CCCCTTCATA	240
	TACCGTTGAT AAATAAGTTA	260
	(2) INFORMATION FOR SEQ ID NO: 4487:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 316 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4487:	
5	ATGAGGTGCA TAGGGATAAA ACAGnnAGCA GCAATTTGTC GCTATTTGTA AATTGTATCC	60
_	TGGCTTAAGT TGGCCATTTT TCATATGGTC TTCCTTCATT CTCATAAAAG TTGCATCATG	120
	ATCAGTTTTA GAAAAGCTAT TTCTATCTTT AAGAATCGAT TTTTGTTCTT CATATTTATT	180
10	TTTTCTTTCG GAATAATCAT CAAATTTATT TTTGAACTTC TTAATCTTAG TTCTTTTTTA	240
	CGGGTCTGTT TTCCAATTTG AGTACTATCC TCGTTCCCCA ATAGAATGAA TTTAAACCTT	300
	CCGATTTCCT TTAAnC	316
15	(2) INFORMATION FOR SEQ ID NO: 4488:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 307 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
25	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4488:	
	CACTTTTACT GCTAAAACGT CAATTGTTGA TGAGTCGTGT TTTATCTCAA GATGTGTTAC	60
	TCAAAAAGTT ATAGAAGAAG CTACTAAAGT TAAAACAGAG ATTGATACTG CCAGAAGATA	120
30	ACTGTATCTC TCCATCTACT GTAAGTCCGT ATTAGAACTA AAGCGGCTAA TTCATTACGA	180
	ATTAAACCCT TTAATTGTTT GCCAGACACA TCGCTATGGA TGAATTTAAA GCGTnAAAAT	240
25	GTACTGGATC ATGAGTTCAT TTTTATAGNT ATGTACNCAT GTGTATAGTA TTTAGAAATA	300
35	GACTCAA	307
	(2) INFORMATION FOR SEQ ID NO: 4489:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 344 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4489:	
	TTGGCAAATG TCATATAACT AGTAACATGA TCATCGACAT CAAATTTAGT ATGATCAAAT	60
50	GTTCCCCAAT CATTAATTTG ATTCGGTTGT TTGCTCAATT GATTATATGT TTTTCCTAGC	120
	ACTTCATGCG GCACCATATC TTTACCTAGT AGCCCCACAA AGATAAGTCT AACAAGTGGC	180
55	ACCATAATCG ATAAACTACC GCCACCTGCA CGCTTATGGT AAAACACCCA GCCAGCACTT	240

	TAGCAGTATG CCACnCCGGn GACGATATGG TAGCGACGTA ANAA	344
	(2) INFORMATION FOR SEQ ID NO: 4490:	
5	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 313 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4490:	
15	CCCAACCGGC ACATTGTTGT AAGCTGACTA TATGTCACTT CNTGTGTTGG GGCCCCTGTC	60
	TTCGACTGGC ACTGCTCCCT CAGGAGTCTC GCCATTAATA CTACGTATTA ACATGTAATT	120
	TTACTTTTAA ATACTTTAAA AAAATAAGAC ACTTTGGTCC AACTTAAGCC AGGGATACAA	180
20	TTTACAAATA GCGACAAATT CTCAATTTGT nTTATCCTAT GGACCTATTT CAAAACCCAA	240
	CAGGTACTNA GTAACTTTGA ATTCCATTTT TTAACAATGG ATTGCAAAAT GACCTTACGG	300
	TTCATTTGAC CGG	313
25	(2) INFORMATION FOR SEQ ID NO: 4491:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 291 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4491:	
	AGGTCTGACT CTAGAGGATC CCCGATGAGT TTAAAGAAAA ATATCAAACA CCTGAATTAT	60
	ATTTTAAAGC TTGGCAAGGT TTTTACCACG AGGTTCACAA TGAGCCAGAA CGTGATGAAG	120
40	TAATGCGTTA TATTCTGACT TTCTTAAATA ACAGCGTCAA TACAATGGGC TTTATTGTTG	180
	AAGATGACGA AATTGTAGAA ATTTAATATT CTAAAAAGGT TGGGACATAA ATCCCTAAAA	240
	AACAGCAGTA AGATAATTTT CCATTAGAAA ATATCTTACT GCTGTGCnCn A	291
45	(2) INFORMATION FOR SEQ ID NO: 4492:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 400 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	GCCGTCTCAG CCTTGGTCTT CGACTGGCAC TGCTCCCTCA GGAGTCTCGC CATTAATACT	60
	ACGTATTAAC ATGTAATTTT ACTTTGAAAT ACTTAAAAAA ATAAAACACT TTGCCCAACT	120
5	TACACTACCA ATAGAAACTG CTGTTAGAAT TCCTCAAAAAT GATATTTCGC GATATGTTAA	180
	TGAAATTGTT AAAAAGATAG CTGATAGCGA GATTCGATGG AATTCAGACA TCATCGTGGG	240
10	CGCAACATCC TATCATCTAA AAATGATGTT AAAAAATCACC TGCATATTGC ATATACTGCA	300
70	ATCTGGAATT TTCTGGGCCG TGAGAATGAG AAAAATnGAC nTCATGAACA GTGATTGCGA	360
	ATGGATGTGG GTTAAGCTnC AAGATTCAAA CACCTTGCnT	400
15	(2) INFORMATION FOR SEQ ID NO: 4493:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 265 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4493:	
25	TGATCCAGAG ATTTCCGAAT GGGGAAACCC AGCATGAGTT ATGTCATGTT ATCGATATGT	60
	GAATACATAG CATATCAGAA GGCACACCCG GTAGAACTGA AACATCTTAG TACCCGGAGG	120
30	AAGAGAAAGA AAATTCGnTT CCCTTAGTAG CGGCGAGCGA AACGGGAAGA GCCCAAACCA	180
00	ACAAGCTTGC TTGTTGGGGT TGTAGGACAC TCTATACGGA GTTACAAAGG AnGACATTAG	240
	ACGAATCATC TGGAAAGGTG AATCA	265
35	(2) INFORMATION FOR SEQ ID NO: 4494:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 293 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4494:	
45	CATTACTAAA AAAGATAATC AAGGTATGAT TTCACGCGAT GTTTCAGAAT ACATGATTAC	60
	TAAGGAAGAG ATTTCCTTGA AAGAGCTTGA TTTTAAATTG AGAAAACAAC TTATTGAAAA	120
50	ACATAATCTT TACGGTAACA TGGGTTCAGG AACAATCGTT ATTAAAATGA AAAACGGTGG	180
	GAAATATACG TTTGAATTAC ACAAAAAACT GCANGAGCAT CGTATGGGCA GACGTCATAG	240
	ATGGGCCCTA TATTGATACC ATTGGAGGTG AATHTAAATA ACCATGCACT CTC	293

5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 256 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4495:	
10	ACTTACAAAG TTCTGTGAAC CAAGTACCAT CAACTGCTGG TATGACGCAA CAAAGTATTG	60
	ATAACTATAA TGCGAAGAAG CGTGAAGCAG AAACTGAAAT AACTGCAGCT CAACGTGTTA	120
15	TTGACAATGG CGATGCAACT GCACAACAAA TTTCAGATGA AAAACATCGT GTGCGATAAC	180
	GCATTTAACA GCATTMAAAC CAAGCGAAAC ATGAMTTTAA CTGCAGATTA CACATGCCTT	240
	AGGAGCAAGC AGTGCA	256
20	(2) INFORMATION FOR SEQ ID NO: 4496:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4496:	
30	GTCATCAGAA ACCCTTGTCA CACAAGGCTT GTATTTTTTA TACTTATTTT TTAAATTAAA	60
	TTCATCATTA TCTAATTTAA AACAATATAC TAAACGTTTC ATAATTATCG CCTGTACAAT	120
35	ACGCACAAAA ACATGTCTTG AAACGCCTTT CATTACTCTA ANATACCCAA TATACTTTTT	180
	ATATCGTTCG GATTCTGAGT ATTTCAGACG ATTTTCTGCA TANAAATAAA CGTGTTTCAA	240
	GGCAATATAT TGCA	254
40	(2) INFORMATION FOR SEQ ID NO: 4497:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 269 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4497:	
50	AATCGGCTGT CTGATTCTGA ATCGCTATCT GAGTCCGAAT CGnTATCTGA ATCCGAGTCG	60
	CTATCCGAGT CTGAGTCGCT ATCTGAATCC GAGTCACTGT CGGAGTCGGA ATCACTATCT	120
55		
J-0		

	GAGTCACTGT CGGAATCTGA ATCGCTATCT GAATCCGAAG TCACTGGTCG GGAATCTGAG	240
	TCACTGTnGG AATCTGAATC GCTATCTGA	269
5	(2) INFORMATION FOR SEQ ID NO: 4498:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 273 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4498:	
	CACCCCGGCA CTATAAAAAT GGAGCAGAAG ACGGGATTCG AACCCGCGAC CCCAACCTTG	60
	GCAAGGTTGT ATTCTACCGC TGAACTACTT CTGCATATGC GGGTGAAGGG AGTCGAACCC	120
20	CCACGCCGTA AGCTTAGNAT ACCTCAAGTC TAGTGCGTCT GCCAATTCCG CCACACCCGC	180
	AAATGGTGAG CCATAGAGGA TTCGAACCTC TGACCCTCTG ATTAAAAGTC AGATGCTCTA	240
	CCAACTGAGC TAAATGGCTC TTnCAGGTGC CGG	273
25	(2) INFORMATION FOR SEQ ID NO: 4499:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 314 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4499:	
	GTAGTAAAAC GCATTTAGTG ATTGAAACAG GCAAGATAGA CGCGGGATAT CACGGCAATT	60
	TAGGGATTAA TATCAAGAAT GACGCTATTG CATCGAATGG TTATATCACA CCAGGTGTTT	120
40	TTGAATATTA AAAGGAGAAT CGATTTGAAG TGCnnCATAA GACAATACGG ACTTATCAAA	180
	TCAACGAAGG AGACAAACTA GCTCAATTGG TTATCGTGCC TATATGGACA CCTGAACTAA	2 <b>4</b> 0
	AGCAAGTGGA GGAATTCGAA GTTGTTCANA CGTGGAGAAA AGGCTCGGAG AGCGGGTGAA	300
45	AGCATCTTAG TCGA	314
	(2) INFORMATION FOR SEQ ID NO: 4500:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 304 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4500:	
	ATTGTAAGGC TATCATGTCA AAGATTATAA CAATAAATCT GGTTGAGATT TGGTCGCGGG	60
5	GCGATGGAAG CTATCTATTT GACCATCCAT TTGGCAAAGG TTTGGGAGTT ACACAGGTGG	120
	ACTTAACTTT AATGGCGGTC GTCACTATGG TATCGACTTT GGTATGCCTA CAGGAACGAA	180
	CCATTTATGC TGTTAAAAGG CGGTATAGCT GATAAAGTAT GGnCTGATTA CGGTGGCGGT	240
10	AATTCTATAC AAATTAGGAC CGGTGCTAAC GAATGGAnCT GGTATATGCA TTTATCTAnG	300
	CATT	304
15	(2) INFORMATION FOR SEQ ID NO: 4501:	
20	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 253 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4501:	
25	TTCCTTCATT CTCATAAAAG TTGCATCATG ATCAGATCAG	60
	TCTTTAAGAA TCGATTTTTG TTCTTCATAT TTATTTTTTC TTTCGGnATA ATCATCAAAT	120
30	TTCTTTTGA ACTTCTTAAT CTCAGTTATT TTTTTACGGG TCTGTTTTCT AATTTGAGCA	180
30	CAATCTTCGT TCTCAATAAG AATGATTTAA ATCTnCGATT TCTTTATCTA AATGGACTAC	240
	CAATTAAATC TAT	253
35	(2) INFORMATION FOR SEQ ID NO: 4502:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 257 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
40	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4502:	
45	AGTTCGGTCC CTATCCGTCG TGGGCGTAGG AAATTTTnGA GGAGCTGTCC TTAGTACGAG	60
	AGGACCGGGA TGGACATACC TCTGGTGTAC CAGTTGTCGT GCCAAnGCAT AGCTGGGTAG	120
50	CTATGTGTGG ACGGGATAAG TGCTGAAGAT GCTTAAGCAT GAAGCCCCCC CAAGATGAGA	180
	TTTCCCAACT TCGGTTATAA GATCCCTCAA AGATGATGAG GTTAATAGGT TCGAGGTGGA	240
	AGCATGGTGA CATGTGG	257

5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 270 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4503:	
70	ATACGTTTAA TACACAAAAA ACTGCAAAGC ATCGATGGCA GACGTCATAG ATGGCACTAA	60
	TATTGATAAC ATTGAAGTGA ATATANAATA ATCATGACAT TCTCTAAATA GAAGCTGTCA	120
15	TCGGAAAAAC AAGAAGTTAA GTGACAAGnT TTACATGTTG CTTAGCTTCT TTTATTATGC	180
	GTAATGATGT AAAAAGACGA ATATTCATTT GTTTGTAAAA GTGGCATTTC TATGTCTTAA	240
	AAGTGACGAA ACTTCAAATG TGCCAAGTGT	270
20	(2) INFORMATION FOR SEQ ID NO: 4504:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 251 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4504:	
	TACCTTGACC GAAGTTCTTA CCTACATCAC CTAAATTAAT GACATGTCCA CCAGTCATAT	60
	ACTCTAATCC ATGGTCGCCG ATACCTTCAA CGACAACATC TACACCACTA TTTCTAATAC	120
35	AGAATCTTTC TCCTGCACTA CCGTTAATAA ATGCCTTACC ACTTGTCGCA CCATAGAATG	180
	AGACGTTACC AGCAATAATT TCATTTTGTC GTTCTTCAAA AGGTGCTTTG ACAATGACCG	240
40	TACCACCnGn T	251
40	(2) INFORMATION FOR SEQ ID NO: 4505:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 260 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4505:	
	AGAAGTTAAG CTCCTTAGCG TCGATGGTAG TCGAACTTAC GTTCCCGCTA GAGTAGAACG	60
55	TTGCCAGGCA AATGACAAAT CGGAGAATTA GCTCAGCTGG GAGAGCATCT GCCTTACAAG	120

	TAGCTCAATT GGTAGAnCAC TGACTTGTAA TCAGTAGGTT GGGGGGTCAG TCCTCTGGCC	240
	GGCACCATCT TTTGnCCATA	260
5	(2) INFORMATION FOR SEQ ID NO: 4506:	
10	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 313 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4506:	
	TTCTTTAGTA GATACTAAGG CGTTATTAGA CGCATTAGAC AATGGTGTGA TTAAAGGTGC	60
	AGCACTTGAT ACGTATGAAT TTGAACGCAA ACTTTTCCCA AGTGATCAAA GGGGCAAAAC	120
20	ACTGAACGAT CCATTGTTAG AATCGTTGAT TGACAGGGAA GATGTCATAT TAACACCACA	180
	TATTGCGTTT TATACTGAAG CTGCAGTTAA AAATCTATTG TCGTGCATTA GGTGCAACAT	240
25	TAGGTGTATT GCAGCTTGGG GAACTTnGnT ACGGGTAAAT TTAAAATCGG CTGTGGGTAT	300
	TTTGGnTTTT GGG	313
	(2) INFORMATION FOR SEQ ID NO: 4507:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 252 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
35		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4507:	
40	GnCAATACGG CCAATTCCTA AGATTGCTAC TTCTGGGTGG ATTGATAACT GGAGTGAACC	60
	ATTGTCCACC AGCTGnAACC GATATTACTG ATTGTGCATG TAGCACCTTT CATTTCATCG	120
	GCTGTTAATT TACCATCACG TGGCTTTAAC AGCTAATTCA TTAATTTCAT CTGAAATTTG	180
45	GGAAAATAGA CTTACGGATC AGCATGTTTA ACAACAGGTA CTAATAATCC TCTATCAGTG	240
	TCTGCTGCAA TT	252
	(2) INFORMATION FOR SEQ ID NO: 4508:	
50	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 268 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
55	(S) TOTOBOOL TAILOUL	

	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4508:	
	CATCGAACCA GATGTACTCG CACTTGTTGA GTCTGATGTT GAATCACTAA CACTATCAGA	60
5	TAATGACGTT GAATCACTCA TACTTGTTGA TGTACTTGTC GAAAGCGACA TACTTTGTGA	120
	ATCACTAGTA CTTGTACGCA TCGAAGTACT AGTTGAAGCT GATGTACTAC GAGAGTCACT	180
10	TGITGATGIT GATGIACTTG CTGATCCTGA TGCACTTGTA CTTCTTGATG TGCTTTGTGA	240
10	ATCGGATTTC GCTCGTGCnT GGTACTnG	268
	(2) INFORMATION FOR SEQ ID NO: 4509:	
15	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 296 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4509:	
	CGAGAGTGCG TTAATTCGGT TACTGCTATC ACGTAAGGGG CGGAAACCCC CTAACACTTA	60
25	GCACTCATCG TTTACGGCGT rGACTACCAG GGTATCTAAT CCTGTTTGAT CCCCACGCTT	120
	TOGCACATOA GOGTOAGITA CAGACOAGAA AGTOGCOTTO GOCACTGGTG TTOCTCCATA	180
	TCTCTGCGCA TKTCACCGCT ACACATGGAA TTCCACTTC CTCTGCTGGC ACTCAAGTTT	240
30	TCCAGTGTCC AATGACCCTC CACGGTTGAG CCGTGGGCTT nCACATCACA CTTAnA	296
	(2) INFORMATION FOR SEQ ID NO: 4510:	
35	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 257 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
40		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4510:	
45	TTACTACTTA CTGAGTGACC TGTACCTGCT TTCGGAGTAA TTGTGATTGA TGAATTTGGT	60
	TTTATAGTAT TGGCATTGAA CGTCACTITA CCAGTTTGTG CATCTAACGT TACATAGTCA	120
	GGCTTATTCG CAATTGTCCA TTGnTTATTT TGACCACGAA CAACATTAAT TGTCTTACTA	180
50	TGTTGCTGCA CCATTACCCA CTTnTTCAGT GTAAGCAATA TCCATTGCTT GAGTTGGGAT	240
	TAATTAAATG GTCCTGA	257
	(2) INFORMATION FOR SEC ID NO: 4511:	

5	<ul><li>(A) LENGTH: 250 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li><li>(D) TOPOLOGY: linear</li></ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4511:	
10	AAAATCACAT CAGCCTGCAT TAACGACGTC GTTAATTTAT ATACATCTCC TGTAGTATCT	60
	AGATAATTCT TTCCAACGCT AAATTCTAAT TCAAGTTCTC GTAAATCCAT CAACTCTATT	120
	TGATGTCCCT CATTGATGAC TTCTAGTTCA TTTTTTAAAT CATCCATAGC AATTCTCGTT	180
15	TTAGAACCTA CTGTGGAACC TGACAATAAT ACAATATTCA nGANGACGCC CCTCCTATTT	240
	TGATAAATGC	250
20	(2) INFORMATION FOR SEQ ID NO: 4512:	
	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 253 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4512:	
30	AGCTGGnTTC GAACCAACGA GTGACGGAGT nAAAGTCCGT TGCCTTACCG CTTGGCTATA	60
	GCCCAATATA TAGATGGTGG AGGGGGGCAG ATTCGAACTG CCGAACCCGA AGAGCGGATT	120
35	TACAGTCCGC CGCGTTTAGC CACTTCGCTA CCCCTCCAGC TTATTCATAT AATTTAATAA	180
	TCAAAATGGT GGAAGAATGA CGGGTTCGAA ACCGCCGACC CTCTGCTTGT AAGGCAGATG	240
	CTCTCCCCAG CTG	253
40	(2) INFORMATION FOR SEQ ID NO: 4513:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 252 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4513:	
50	GnCGACCCTT AATAACTTAA TCTATGTTTC CACCATTTTT ATAAGTCAAA CGTTAACATG	60
	naagttacgt TCTTTTATAA AAAGATTTAA ACGCGTTATT AATCTTGTGC AGTGTTCTTT	120
55	CGAACACTAG CGATTATTTC TTATGAATTC AAGCTTATTT AAAACTCTTT ATTCACTCGG	180

	GTGGAGACTA GC	252
	(2) INFORMATION FOR SEQ ID NO: 4514:	
5	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 244 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
10		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4514:	
15	GTCATTGAAT ATGGAAACTT TAGAATTACA AGGCGCTAAA TTACGATACC ACCAAGTCGG	60
	ACAAGGACCC GTGCTCATCT TTATTCCTGG TGCAAACGGT ACCGGAGACA TTTTTCTGCC	120
	TCTTGCAGAA CAGTTAAAAG ACCATTTTAC TGTTGTAGCC GTTGATCGTC GTGATTATGG	180
20	AGAAAGCGAG TTAACTGAAC CACTCCCTGA TTCCGCTTCA AACCCTGACA GTGATTATCG	240
	TGTC	244
	(2) INFORMATION FOR SEQ ID NO: 4515:	
30	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 243 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4515:	
35	TATTAGGCAA ATCCGGTACT CGTTAAGGCT GAGCTGTGAT GGGGAGAAGA CATTGTGTCT	60
	TCGAGTCGTT GATTTCACAC TGCCGAGAAA AGCCTCTAGA TAGAAAATAG GTGCCCGTAC	120
	CGCAAACCGA CACAGGTAGT CAAGATGAGA ATTCTAAGGT GAGCGAGCGA ACTCTCGTTA	180
40	AGGAACTCGG CAAAATGACC CCGTAACTTC GGGAGAAGGG GTGCTCTTTA GGGTTAACGC	240
	CCA	243
	(2) INFORMATION FOR SEQ ID NO: 4516:	
<i>45 50</i>	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 267 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4516:	

	GATTGTCCTT TGGACAATGG TAGGAGAGCG TTCTAAGGGC GTTGAAGCAT GATCGTAAGG	120
	ACATGTGGAG CGCTTAGAAG TGAGAATGCC GGTGAGATA GCGAAAGACG GGTGAGAATC	180
5	CCGTCCACCG ATTGACTAAG GTTTCCAGAG GAAGGCTCGT CCGCTCTGGG TTAGTCGGGT	240
	CCCTAAACCT GAGGCCGCAA nngTAGG	267
	(2) INFORMATION FOR SEQ ID NO: 4517:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 319 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4517:	
20	TTGAATCTGA CGAAACGAGA AAAGAGCGCA ACGAGTTTAG TAGAGCTAAA TGAGTAAGCG	60
	AGAGCCGAAG AGAGGAAAGA AGCAAGCGAT TGTCACAAGT CAAGAAAGGT CTTTAGCGAC	120
	GATGGTAGCC AACTTACGTT CCGCTAGAGT AGAACGTTGC CAGGCAAAAA ATGGGATGCG	180
25	ATGAGCCGCA TTGGAGACCG CAGTCCTnTn TnTTTTTTTA TGGCCTTAAA ACGTCAAAAT	240
	TAAAAAGTTA AACACAAAGA AAATGGGCTT TGGCGAGTGG AAACGTTTTG AATCTGGACG	300
20	GAACGAGAAA GAGCGCACG	319
30	(2) INFORMATION FOR SEQ ID NO: 4518:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 259 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4518:	
	GGTATAATAG ATGACTATGT ACTATTTCCG GTACATCCTT GGCAATATCA GCATATTCTG	60
	CCGAACGTCT TTGCGAAAGA GATTAGTGAA AAGTTGGTTG TACTATTACC GTTAAAATTT	120
45	GGAGATTATC TGTCGTCTTC AAGTATGCGT TCATTAATTG ATATTGGCGC ACCGTATAAC	180
	CATGTCAANG TACCATTTGC AATGCAGTCA TTAGGCGCAT TAAGGCTAAC GnCTACGGTT	240
50	ACATGAAAAA CGGGGAACA	259
	(2) INFORMATION FOR SEQ ID NO: 4519:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 253 base pairs	

	<pre>(C) STRANDEDNESS: double (D) TOPOLOGY: linear</pre>	
5	(xi) SEQUENCE DESCRIPTION: SEO ID NO: 4519:	
	ATAGGGTGTT GCTGAATAGG GCGTTTAGTA TTTGGTCGTA CCGnnAACCA GGTGATCTAC	60
10	CCTTGGTCAG GTTGAAGTTC AGGTAACACT GAATGGAGGA CCGAACCGAC TTACGTTGAA	120
	AAGTGAGCGG ATGAACTGAG GGTAGCGGAG AAATTCCAAT CGAACCTGGG AGATAGCTGG	180
4.5	TTCTCTCCGA AATAGCTTTA GGGCTAGCCT CAAGTGATGA TTATTGGAGG TAGAGCACTG	240
15	TTTGGACGAG GGG	253
	(2) INFORMATION FOR SEQ ID NO: 4520:	
20	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 245 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
25		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4520:	
	AACTCGTTGC GCTCTTTTCT CGTTTCGTCA GATTCAAACG TTTTCACTTC GCCAAGCCAT	60
30	TTTTCTTTGT GTTTACTTTT TATTTTGACG TTTTAGACAT AAAAAAAGAG ACCTCACGGT	120
	CTCAACTTGC CTGGCAACGT TCTACTCTAG CGGAACGTAA GTTGGCnACC ATCGTCGCTA	180
	AAGACCTTTC TTGACTnGTG ACAATCGCTT GCTTCTGTCC TCTCCTTCGG CTCTCGCTTA	240
35	CTCAT	245
	(2) INFORMATION FOR SEQ ID NO: 4521:	
40	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 251 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
45		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4521:	
	GGGCCTAAGT GGACTCGAAC CACCGACCTC ACGCTTATCA GGCGTGCGCT CTAACCAGCT	60
50	GAGCTATAGG CCCATTAATT TGAATGAACA AACATTCAAA ACTGAATACA ATATGTCACG	120
	TTATTCCGCA TCTTCTGAAG AAGATGTTCC GAATATATCC TTAGAAAGGA GGTGATCCAG	180
	CCGCACCTTC CGATACGGCT ACCTTGTTAC GACTTCACCC CAATCATTTG TnCCCACCTT	240
<i>55</i>		

	(2) INFORMATION FOR SEQ ID NO: 4522:	
5	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 249 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
10	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4522:	
	natagaacct gaaaccgtgt gcttacaagt agtcagagcc cgttaatggt tgatggcgtg	60
15	CCTTTTGTAG AATGAACCGG CGAGTTACGA TTTGATGCAA GGTTAAGCAG TAAATGTGGA	120
	GCCGTAGCGA AACGATGTCT GAATAGGGCG TTTAGTATTT GGTCGTAGAC CGAAACCTCG	180
	TGATCTACCC TTGGTCAnGT TGAAGTTCAG GTAACACTGA ATGGAGGACC GAACCGACTT	240
20	ACGTTTGAA	249
	(2) INFORMATION FOR SEQ ID NO: 4523:	
25	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 248 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: double  (D) TOPOLOGY: linear	
30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4523:	
	TCCCTATCCG TCGTGGGCGT AGGAAATTTG AGAGGAGCTG TCCTTAGTAC GAGAGGACCG	60
35	GGATGGACAT ACCTCTGGTG TACCAATTGT CGTGCCAAng CATAGCTGGG TAGCTATGTG	120
	TGGACGGGAT AAGTGCTGAA GATCTMAAGC ATGAAGCCCC CCTCAAGATG AGATTTCCCA	180
	CTTCGGTTAT AAGATCCCTC AAAGATGATG AGGTTAATAG GTTCGAGGTG GAAGCATGGT	240
40	GACAGTGG	248
	(2) INFORMATION FOR SEQ ID NO: 4524:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 326 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4524:	
	AACGTTAAGA TCCCTATTAA ATTATCTTAG GAATCATCAT GGGCATTTAT GATGTCTTAA	60

	AAATTAGTAA TCTGAATCTG CTTCTAAACC TTGTCATAAT TTGAnCGGCT GTGGCTCGnA	180
	CCAATACGGG TCGGACCTGC TTHAACCATT TTATTGGAAA TCTTCTAAAT TACGGACGGC	240
5	ACCCGGATGC TTTTACTTCT ATATCAGCAC CTACTGTATC TTTCATTAAT TTAACGGCTT	300
	CTGCAGTCGG ACCGGCAACT GCAAAA	326
	(2) INFORMATION FOR SEQ ID NO: 4525:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 301 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4525:	
20	AAGAGCACCC TTCTCCGAGT TACGGGGTCA TTTGCCGGTT CCTTAACGAG AGTCGCTCGT	60
	CACCTTAGAT TCTCATCTTG ACTACCTTGT CGGTTTGCGG TANGGCACCT ATTTTCTATC	120
	TAGAGGITTT CTCGGCATGT GAAATCAACG ACTCGAGACA CAATGTCTTC TCCCATCACA	180
25	GTCAGCCTTA ACGAGTACCG GATTTGCCTA ATACTCAGCC TACTGCTTAG nGGCATCCAT	240
	CGCAGTTnGC TATCCACTGG TCCCCCTCGA TTAAACGATT ATAGGTGGTA CAGATATCAA	300
	С	301
30	(2) INFORMATION FOR SEQ ID NO: 4526:	
35	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 241 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4526:	
	TGATATTATG AGCTGTGTTT TTAGCTTTAG AACCGAAGTC CCCTGCTTTT TTACCAAGAT	60
	TTTCAGTAAC TTGTmCCATC CATTTTTTCT TTTTCGTACC ACCATGGAAT TTTGGCAAAA	120
45	CACCCATCCG CTGTAACTTC AGAGTGTCAT TGGCATTTAT TACACTATCT CCAACTCCTA	180
	GTGGAACAAC CACATCTCGT CCTTGGGGTG CATGGAATGT nCCGTCAGCC CTGTGAATTA	240
	T	241
50	(2) INFORMATION FOR SEQ ID NO: 4527:	
	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 316 base pairs	

	(C) STRANDEDNESS: double (D) TOPOLOGY: linear	
5		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4527:	
	CGATCACACT CTTCCGTCGT CATCGCCATT GGCTTTTCAC ACAATACATG GACACCATGG	60
10	TGTCAATGCT TCTATAGAAA GATCAGCATG GAATTTATTA GGTGTACAAA TGACCACCGC	120
	ATCAACAAGT TTAAACAGCT CGCTAGGTGT CTCAACTGCA TGAGGTATAT TGAAAGCGCT	180
	TCGCAACCAT nCAATCATCT GGCACTGTTA TTGAATATCT TGTGACTGGC AACTTAATGA	240
15	GNACTGTGTC TTTTGGAGTT TCCAGnCAAT GCCGGGAATT ATGGACGGGT CTTGGTGGCA	300
	ATACCACCCA ACACCT	316
20	(2) INFORMATION FOR SEQ ID NO: 4528:	
20	<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 251 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: double</li></ul>	
25	(D) TOPOLOGY: linear	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4528:	
30	GTCCCAAGGG TTGGGCTGTT CGCCCATTAA AGCGGTACCG ACGACTGGGT TCAGAACGTC	60
	GTGAGACAGT TCGGTCCTTA TCCGTCGTGG GCGTAGAAAT TTGAGAGGAG CTGTCCTTAG	120
	TACGAGGAGG AnCGGGATGG ACATACCTCT GGTGnACCAG TTGTCGTGCC AACGGCATAG	180
35	CTGGGTAGCT ATGTGTGGAC GGGATAAGTG CTGAAAGCAT CTAAGCATGA AGCCCCCCTC	240
	AAGATGAGAT T	251
40	(2) INFORMATION FOR SEQ ID NO: 4529:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 318 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4529:	
50	AGTACGTGAC GTTCACTACT CTCACTATGG CCGTATGTGT CCAATTGAAA CACCTGAGGG	60
	ACCAAACATT GGATTGATTA ACTCATTATC AAGTTATGCA CGTGTAAATG AATTCGGCTT	120
	TATTGAAACA CCATATCGTA AAGTTGATTT AGGATACACA TGCTATCACT GATCAAATGA	180
55		

	ATGGTCGTTC AGGTGATGAG TGTATGCGTT CGGGNACNAT CAGTATGCAA GAAAAGGTTT	300
	GTGACGCGAC AGTGTCNA	318
5	(2) INFORMATION FOR SEQ ID NO: 4530:	
10	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 240 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
15	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4530:	
,,,	TAGCTGTGTG ATAAATTGCA AGTGCGGCAC CACATAAGCC GAACATCATC GTAATAAAAC	60
	GGCCTGACAT ACAGCGTGAC ACACCTGAAT AATACTTCGT CACATCTGGA TCACCAAGTT	120
20	GAGCAAAGAN GATGTTCTNC GTACCTTGAA CTAAGTGCCC TTTGACTTCT AAAGTACCAC	180
	CAAGTGCCGT CTGCCAAAAC GGTAAGTAAA AAATATGGTG TAAACCGAGT GGACCTAACA	240
	(2) INFORMATION FOR SEQ ID NO: 4531:	
25	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 254 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
30		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4531:	
	CGGCTCTTCT GGGACGTTAA CCCTAAAGTG CACCCCTTCT CCCGAATTAC GGGGTCATTT	60
35	TGCCGAGTTC CTTAACGAGA TTCGACTCGn TCACCTTAGA ATTCTCATCT TGACTACCTG	120
	TGATCGGTTT GCGGTTAGGG GCACCTATTT TCTATCTAGA GGCTTTTCTC GGCAGTGTGA	180
40	AATCAACGAC TCGAAGACAC AATGTCTTCT CCCCATCACA GCnCAGCCTT AACGAGTACC	240
	GGATTTGCCT AATA	254
	(2) INFORMATION FOR SEQ ID NO: 4532:	
45	<ul> <li>(i) SEQUENCE CHARACTERISTICS:</li> <li>(A) LENGTH: 238 base pairs</li> <li>(B) TYPE: nucleic acid</li> <li>(C) STRANDEDNESS: double</li> <li>(D) TOPOLOGY: linear</li> </ul>	
50		
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4532:	